

Seventh works of Brett Nortje [9th of June – 13th of September]

Self heating and cooling architecture like in the movie Prometheus.

Now, we need to find a way, using architecture, to make more air come in from the ground - the cool air - when the vent is open. I suggest that we make the inside of the wall shaped so that it will suck air in, very small architectural difference indeed. this must be possible...

Okay, this is such a far out idea, that google returns no results. figures...

Now, to get air coming in, I suggest we use some clever designs - how about a funnel leading up at an angle into the wall, like a bishop moves, and then goes straight up? this will suck more air into the funnel as it fills up, but only cool air will go back down into the ventilation. this means, from outside you have cool air heating up coming in, and then the cooling air will fall back down the funnels in the wall, choking out all the warm air nearly. eventually, you will only have cool air in your walls, yes?

Now, if the walls are full of cool air, the ventilation into the house will need to be near the floor. this means the air will come back down from inside the walls into the house, cooling it.

Conversely, to heat your house up, you could open the ventilation near the ceiling to make for hot air to come in. this means that hot air will enter the house, but, it will not cool down that much as it fills the room pushing the cool air down further, so maybe your feet will be cold?

So, all you need is funnels in the walls, some ventilation at the top, and some at the bottom. of course the more you have of them the faster and more severely it will heat or cool.

At the moment, I suspect that it will only fluctuate by one or two degrees celcius, but we are getting somewhere...

Maybe the best way to get dirt out of the air is to put a vent inside the walls inner capsule? if there was such a filter, it could be placed on, ventilating the air, making it even cooler, or, if the vent was open, it could heat the air further. I guess this will raise the air further by a half a degree?

How about a lot of trees inside the house? these could be placed in a place where the walls rotate, so they are either inside with one rotation of a multi lever - where there are many mechanisms that make it easier to turn - and if they are 'inside' - the trees - they would cool the air in the day the air, and if outside, would do nothing.

Okay, so in line of cooling, we could observe that o2 cools air, so, we could check how the outer limits of space work, as it is very cold there. maybe we could filter all the carbon dioxide out of the air? this would lead to further cooling, yes?

So, how about we generate static to cool the air, as this will produce oxygen? I suggest we use wind, as this could turn a 'winch' that will generate friction, as electric current does, and then cool the air. this is similar to electrolysis in submarines, but we need to make it cheap and effective.

Now, what if we were to observe most structures, if you were to have it closed to air escaping, it will heat up. a sky light will help with letting air escape, making it cooler, or, closing it will make it warmer.

Okay, we now know something about getting oxygen into concrete structures, so, well, the real reason for this thread was to emulate stuff I saw in Prometheus. now, I want to get a structure made of rocks or whatever to generate oxygen on mars, like in that movie.

So, how do you insulate oxygen, generated by water or something - probably going round in a 'circuit' mixing with carbon dioxide breathed out to form water again, then forming breathable air again - to be breathable?

Well, seeing as how there is no water on mars or the moon, we need to bring some of it from earth, or generate it artificially. what we need though is something that doesn't use power, as that is better and cheaper.

Now, to get the water to generate oxygen, we need heat. to make it go back to water we need let it settle on the roof of the cave or whatever, then it will gather and drop as water.

If the water was to be boiled, it would make air, and we breathe air out to gather and turn to water again. what we need is to get the water to be heated, that is all.

I suggest from the core of the planet, we could find much heat. this is not the best way though, as with architecture we could do it even cheaper, once we know how.

If the architecture was to have space in the roof, where it could be put into various 'shapes,' it could be heated naturally.

So, if the building was to be moved more, it would collect dust and then get warmer, theoretically, yes? so, putting a lot of tunnels in the roof would stop the air from rising quickly, and then slowly find itself heating up faster than it is going up, making it turn to steam, and then water before it can escape in time.

This means we can generate water, and therefore oxygen, by using architecture. the gasses will turn to water, promoting life too. This means we can easily set up a base on mars or the moon without having life support systems.

But, what about the plant life? how can we make it so that food can be grown?

Well, seeing as how the soil there does not have any nutrients in it, it will be very bad for plants. if there were a way to make the ground healthy for plants, it needs only bio mass. then, as soon as the plant dies, it will generate more biomass, making the ground eve more healthy.

I think I should refer to my plant to make food and air in the science and engineering challenge thread. maybe we can grow something very nice for our escapades?

So, we can plant the plants inside the environment and water them. they will die, as the soil is not healthy, and then the seeds we gather from the dead plants will be able to be planted in the fertile ground. They will generate even more oxygen.


But how do we keep these cold temperatures from killing us? this new base will need some heating!

So, if you dig deep enough, you get warmer. if there was to be a lot of architecture to heat the building up, it will be ready for use.

Now, how do heat this simple building? If we were to use conductive materials in many parts then it will insulate heat as a prefab does - which gets very hot. We will need to insulate this heat though, as then it can retain heat, if we cannot make spiralling tunnels that insulate the air to make it hot anyways.

So, we can heat and cool, and generate water in our 'building,' but now we need to make it like on that movie Prometheus where they can breathe the oxygen instead of nitrogen or what not. Now, if we were to get the oxygen to form a 'mini atmosphere' around the building, we would be on course for a right royal jubilee party!

If we were to make the architecture so that it is nearly underground, then we need to see how oxygen behaves...

 Quote by: <http://en.wikipedia.org/wiki/Ozone>
Ozone (/ˈoʊzoʊn/; O₃), or trioxxygen, is a triatomic molecule, consisting of three oxygen atoms. It is an allotrope of oxygen that is much less stable than the diatomic allotrope (O₂), breaking down in the lower atmosphere to normal dioxygen. Ozone is formed from dioxygen by the action of ultraviolet light and also atmospheric electrical discharges, and is present in low concentrations throughout the Earth's atmosphere. In total, ozone makes up only 0.6 ppm of the atmosphere.
So, we can easily generate a ozone layer inside the building, by making the oxygen from the water - which we bring there - into o3. then, we can insulate a little eco system inside the 'building.'

But, we need this to work naturally! if you were to build our tunnels, they might be able to concentrate oxygen in the total building area so that we can breathe there.

If we put the tunnels into a meeting point for all the air, and made it get smaller in it's scope as to width and breadth as it spirals up, it should all condense and then go back down as o3...

We need to have some electricity for our 'building,' and if we could go without a power generator, it would be better I think. maybe we can make it so that every building built will generate it's own power source?

Okay, so we got tunnels in the walls. this leaves space for things inside the walls that could generate energy. this could lead to further developments in the wall though, maybe we can merge them into the same mechanism in the end?


If we were to have the ozone piling up inside the building, it could produce pressure to generate electricity, and, once the electricity is generated, it could get rid of some of the ozone. this pressure build up could be like a bicycle generator, turning this or that up high in the spiralling tunnels where the air moves around, or, we could use a wind power turbine pressurised by the falling ozone.

If it is out in 'space,' with 'space' all around it, how do we generate more water in our building? well, if it were cold, with a power source, there will be a mixture of cold air and a heat source, causing water to form.

More of the purpose of the life form.

This little thing with two muscles should be able to swim, so, I want to train it to eat up oil slick - when there is an oil spill, these things could 'eat' the oil and then die, leaving biomass instead of oil pollution... for example. So far we have nearly got it to go towards light, but, instead of making it a proper life form I have decided to keep it a slave!

To get it to 'absorb' the oil, we could try to find something that is attracted to oil...


 Quote by: <http://www.google.co.za/>
The hydrocarbon chain is attracted to oil and grease and repelled by water.
If we could get some hydrocarbons into the thing that lives, yet to be named... we could make it attracted to the oil. it will, with it's muscles - wait - actually, place hydro carbons at each tip of the muscles, making them contract and pulse upwards to the oil, and then absorb the oil somehow. my goal is to get this oil into the 'plant,' and then get that into the belly of whales or to be gleamed off the surface of the ocean.


So, if we were to make a way for it to store the oil - maybe it could be coated with some sea sponge material? - we could see it absorb all the oil.

but, I don't think the muscles will propel it towards the oil yet, unless more muscles are added and more detail it placed on the hydrocarbons placement.


Musical euphoria

If we were to check those notes that make people happy, and I am sure we can identify them and play them through songs that are popular at the moment, we could have a truly happy work force and home life. Call it mass hypnosis, but it is not, because it merely makes people happier and more content...

 Quote by: http://en.wikipedia.org/wiki/Music_and_mathematics
From the time of Plato, harmony was considered a fundamental branch of physics, now known as musical acoustics. Early Indian and Chinese theorists show similar approaches: all sought to show that the mathematical laws of harmonics and rhythms were fundamental not only to our understanding of the world but to human well-being.[5] Confucius, like Pythagoras, regarded the small numbers 1,2,3,4 as the source of all perfection.[6]
So, we know that the small numbers are supposed to be perfect. if there are such a thing as numbers in art and music - both the major arts being visual and sonic - then there must be a formula of beats we could add to the music that will result in a placid lifestyle? Who would say no to that?

 Quote by: http://en.wikipedia.org/wiki/Mathematics_and_art
Mathematics and art have a long historical relationship. The ancient Egyptians and ancient Greeks knew about the golden ratio, regarded as an aesthetically pleasing ratio, and incorporated it into the design of monuments including the Great Pyramid,[1] the Parthenon, the Colosseum. There are many examples of artists who have been inspired by mathematics and studied mathematics as a means of complementing their

works. The Greek sculptor Polykleitos prescribed a series of mathematical proportions for carving the ideal male nude. Renaissance painters turned to mathematics and many, including Piero della Francesca, became accomplished mathematicians themselves. So, there is something emotional about maths! This means we need to prescribe artistically pleasing math to music?

 Quote by: http://en.wikipedia.org/wiki/Mathematics_and_art
Named after Roger Penrose, Penrose [tiles](#) are nonperiodic tiles generated from a simple base tile. In its simplest form, it consists of 36- and 72-degree rhombuses, with "matching rules" forcing the rhombuses to line up against each other only in certain patterns. [45] Penrose tiles lack translational symmetry due to its nonperiodicity, and any finite region in a tiling appears infinitely many times in the tiling. [46]

Both visually complex and simple at the same time, Penrose tiles arise from basic mathematical principles and can be viewed as intricately related to the golden ratio. Two notable relationships between Penrose tiles and the Golden ratio are:

1. The ratio of thick to thin rhombuses in the infinite tile is the golden ratio 1.618.
2. The distances between repeated patterns in the tiling grow as Fibonacci numbers when the size of the repetition increases.

And that is what a Penrose tile looks like. so, if you take a picture of that, and try to get the various imaging of the recording equipment to look the same, maybe that will result in the ultra peaceful music?

Of course, if that doesn't work directly, maybe there will be some hints as to how to achieve this, through the diagram they might [be able to](#) make each angle or whatever equal so many octaves or notes or decibels or whatever...?

Constance briscoe

<http://news.sky.com/story/1102674/co...ver-huhne-case>

In this case, this high and mighty lawyer seems to have "perverted the course of justice." she apparently gave false testimony and put words into a witnesses mouth.

If the woman judge that is so under siege was to have lied repeatedly, the best thing to do is retry the case. if she altered things, it must have been because she wanted them changed. why did she want them changed? is she personally involved in this case? has she received any gifts? if the [answer](#) is that she didn't have any involvement, maybe she was correcting language in the statement? what else would she risk her job for?

Then there is the case of the police statements. if she was familiar with the case more, maybe she would have been able to [answer](#) the questions? if she was to be asked questions in a language that was not her first, or, be tired, or something, it might have been that she forgot or something, or was embarrassed, or, thought it was a sort of tedious offence or something?

Pupil teacher affair

<http://news.sky.com/story/1102580/fo...ffair-revealed>

Is this girl old enough for a passport? if she is old enough for a passport, she is old enough to have sex!

If she was to have come to school early to see him - the teacher - he must have known he was in with a chance! if she was to be old enough to have periods, she is old enough to have sex, says nature, if you ask me.

Now, the man took her to a far away place. if he was to have forced her, there would be no packing, as she would have stayed at home and he would not have forced her, so she came out of her own good will, yes?

If the teacher was to have forced himself on her, she would have maybe felt guilty? this is not a near east culture! if the woman feels guilty for having sex with the man, why did she pack her bags to go with him?

So, the teacher had an affair with a student, which is against school policy. this means he loses his job? is he a good teacher? now that he has been exposed as a teacher that fiddles with young women, he will be too embarrassed to go back to the mocking children, yes? that is the worst sort of punishment, being mocked by adolescent teenagers. the worst punishment would be to have him [continue](#) to teach there, and be watched by his wife where as to he goes after hours.

If the [options](#) are jail or keep teaching, he should keep teaching. jail corrupts people further, and, he may become a hardened criminal, or worse. with a criminal record, he cannot get a new job either. this is way out of proportion!

Maybe he should say he is sorry, and then carry on. this is hardly something he premeditated, as then he probably wouldn't have gotten married? if he is such a bad guy, why does he choose to teach children of the hardest and most difficult stage of their lives? Teaching teenagers is hard - they are hard to get through to, as they just want to talk and party. that one of the female students found him a pillar of strength to cling to and find comfort in, means he is good at his job, and should be considered a loyal public servant.

The fact he left the country with her means he will [accept](#) the problem head on - more good credentials! he is a good teacher, apparently, and it would harm the kids to see him go. if it was a misdemeanour, let him suffer the mockery, is what I say...

Castro

<http://news.sky.com/story/1102409/oh...ads-not-guilty>

This guy took some women into his house to feed them. the facts though that they were kept against their will means that he was worried about them. if he wanted to have sex with them, he would have also got them pregnant, as they did not have the pill, and I cannot see him spending so much [money](#) on condoms. so they were not sex slaves...?

If he kept them against their will, it might have been because they entered his house and stayed a while. then, fearing some little thing that got taken out of hand, he panicked and kept them in the basement for a while, something that got blown up all out of proportion. you get embarrassed, you refuse them to leave right then, you talk to them, they didn't attack him or three women would have overpowered him, and then things got messy.

If he got them one at a time, they were not bound. they could easily have taken tools out of the basement and broken the door down, tied up or not. that means the repair man would have had to come in multiple times to repair the door, if they

even kicked it say five times a night.

What is going on here? were these women stupid or something? this sounds like a real misdemeanour!

Parenting rights

If parent's follow the human rights of the children, as set up by the west through the united nations, they are not doing a bad job. if they were to get those things right, and love the children, then it is a ok.

If of course the children were testing the parents all the time, the parents may remove luxuries from them. This means they will have no real control over the children, and should not be blamed for what their kids do.

If you see a seven year old out smoking at the corner at midnight, what do you do? whose fault is it? If the parents let their child do this, they are breaking the law, so, it is their fault. I say they are breaking the law as this unattended minor is just that, and, he is under aged smoker.

So, all the things that can go wrong are covered by a well written intelligent 'law centre.' If the parents are not breaking the law, and the child is not breaking the law, everything is fine.

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High school sciences

Okay, what I want to do in this thread, is 'revamp' high school science so that you can do grade twelve science in grade eight or sooner. this will help kids progress into university science much faster, and will do the world much good!

Okay, the most important thing I find is polarisation. this is where positives repel positives and attract negatives, and vice versa. Then there is solubility - where certain chemicals merge with others better than others - which also sounds like polarisation, yes?

Then there is vectors. these things come up in maths too. vectors are where the lines are supposed to be there, but might not be. this means that they are imaginary joining blocks for things, and has something to do with polarisation too, as the imaginary lines will find exact places to settle before they revert to normal functions, as the repelling force will make them settle in a certain way. this leads to bonds being formed, as they will feel comfortable with some others - learn your [periodic table](#)!

Then, there is motion. I find that motion is where things settle in the most comfortable state, or find the most comfortable state to rest in, always. if they are not there, they might adjust themselves until all energy is released, and rest, as energy is lack of 'comfort.'

Any other general rules of thumb that people here want to add?

I did a bit of maths recently, and found the most important rule is to cancel like terms out. I surf here and there, and they sometimes throw up equations that could easily be simplified. remember to work from right to left, as that will make your [answer](#), or, end equation the thing you are working with, so fitting in the rest should be easy.

If that doesn't work out for you, and you still have a lot of mess, simply try to make the two or three or whatever terms as alike as you can. this can be done in your head - this is like finding like terms, but I call it making like equations.

I see how calculus takes a simple word problem and turn it into an equation. if it were worded instead of calculated, with the help of a calculator, it could be faster and simpler. of course it might ruin the equation, but let's take a simple wiki example? I found a horrible equation, but the answer was in words!



Quote by: <https://en.wikipedia.org/wiki/Calculus>

The slope of tangent line to the squaring function at the point (3,9) is 6, that is to say, it is going up six times as fast as it is going to the right. The limit process just described can be performed for any point in the domain of the squaring function. This defines the derivative function of the squaring function, or just the derivative of the squaring function for short. A similar computation to the one above shows that the derivative of the squaring function is the doubling function.

So far, you can do it in words - a problem should be real, so as to have a use. if it does not have a use, then it is useless. so, anything practical can be presented in words, and answered in words - so far!

Integral calculus can easily be done on your calculator, or in your head. practising sums in your head will help you work things out in your head. most people learn their times tables like a parrot, but, I did model c maths, and can work out multiplications of any sort. this is because we take the value of 5 and subtract from the nearest ten, or, add to the nearest ten all sorts of bit and pieces from our multiplication or division. if you can do that on paper, however it is written, all you need to do is get the right answer, and it is useful, yes?

Now, with integral calculus there are a few formulas. these you need to learn, or, answer the question properly using your wits. If you can do that there should be no problem, as everyone will be able to understand you!

Typically, you find yourself with a problem. if you observe your problem with a 'mechanism' that is put under 'stress' then you need to work out if the mechanism can handle the stress. this can be done by taking your mass and your materials, and then seeing if they can handle it.

If there needs to be some calculations, then you need to simply verse the masses and areas. if the area of the mechanism is greater than the material of the added on parts, then there needs to be no worries - say it can handle twice or three times as

much of a piston or something that the area and mass allows for. of course the simple equation here is: mass divided by area equals value 'system,' and the incoming pressure of the mass by area equals the 'part.' Then, if the system can handle the part, it works.

If there is one thing I could think of that couldn't really be summarised and given credit, this was it. imagine learning the whole periodic table as well? well, if there is one thing I do know, it is that experimentation works wonders.

If all the experiments are fully funded, and chemicals are usually cheap, then students could experiment on a small scale. this could be done in the class room, and then remembered for their time of reckoning!

If the students were to be presented with bottles of chemicals, and told which ones do which, then they could easily work out what they need to do to get something done. This would be the thinking part.

If the chemicals react in a certain way, and the desired effect is reached, then there is no problem. the purpose of this is to find new ways to experiment in high school that could lead to advances in this field for others.

Now, if you were to have a list of the chemicals, and what happens when you do this or that, you could write your own list on like two pages to learn for exams, yes?

So, when you make your list, write down what happens when one does this or that, then what temperature it happens at, and it's melting point, and ideal temperature, all in words, as those are easier to remember than calculations.

I suggest dropping the calculations completely, and replacing them with words. this will lead to a content subject in high school. if there is complete understanding at grade eight level, then the students could become super learned by the time they reach grade twelve?

If we follow the engineering ideals I set forth, this should be similar. the only differences are the weight of water and other chemicals, how they should not mix and how height of the building affects our mass and area ideals.

If there needs to be any other things to consider, it is basically just as I mentioned. mass plus height equals the 'part,' and area equals the 'system' that needs to handle it. The more area you got on the ground, the more you can build up and out.

Another thing to consider is the strength of the area you are building on. If it is near the sea or a river, you need to change your area needed to like double the 'system,' as my general rule of thumb, to make sure the structure stays in place.

When building dams, you need to use the 'system' versus the water mass pressure. I suggest that you take into account the materials used for the dam.

Basically, medicine can be easily understood. the only reason people study medicine is to make advances in the field, as everything is labelled as it is. this means, you need to know your remedies. this requires a little work, unless you want to study medicine to make advances, so, that will mean you need to do some chemistry, which is actually easy except for the periodic table.

For surgery, all you need to know is where the problem lies. this can be done with equipment, so you don't need to study that. then there is the part of actually getting to the problem. using your equipment you will know what the problem is, so surgery is quite simple.

All you got to do is open the person under anaesthetic and then, as gently as possible, cut out the problem, or, replace the problem. cutting out the problem is easy, and then you make sure the veins you cut are not oozing too much blood.

Then, you need to also understand the problems with the replacement idea. if you were to have an organ you need to replace, then all you got to do is cut the person open gently, cut the veins that connect the organ to the body, and then stitch up the veins or something, so it will get blood.

This is very summarised, but, I am sure you could teach a person to be a doctor in like three years...

What if kids could study law for four years from grade nine? what would become of them? well, law is a lot of common sense, so, I suggest that they all get issued with a law text book, and get offered philosophy to get to grips with the intent of law - it's purpose.

If the laws for, say, property ownership were up for debate, what should go into that? I mean, how complicated should it be? you have your constitution making things a mess... we don't need a constitution, we need simple laws. imagine learning that whole lot of rubbish for no purpose? when last have you heard that the constitution gets in the way of legal matters?

Now, back to property ownership. if you own a property it is yours. if you lease a property, then it gets complicated as of yesterday. If you were to draw up a contract for everything, and you find that contract violated, then you should win your case.

But what if both people violate it? then it should be a separate case for each person seeking to get their stuff. this is so simple, draw up a contract for everything - it is already done - and work from there. there is no need to for like five law textbooks!

If it were a bit late, maybe the students could learn this in grade eight, and then move onto flowers and doctor type stuff quickly? This should be easy too!

Basically, you need to know your parts of the plant or animal, and what they need to do what they do. I would like to clear this up in one year so that pupils may continue with another specialisation after grade eight.

If you look at the sketches, you can see where the outside of the plant or animal is, and then it works towards the inside of the plant or animal. along the way, it follows an obvious path. Do pupils need to know what things are inside each organ and cell?

If they do, it should be easy to tell them. With this subject, you can throw the content away, and then move onto the chemicals that move in our bodies and plants.

Simple. parts, direction, chemicals.

This is a lot of studying! If you were to get to the base of it, there needs to be content in this, and nothing more. If you were to think of what you need to understand to understand people, then there should be some importance placed on psychology. But, due to some threads here on this forum, psychology is classed a pseudo science!

So, what do you need to know about people? basically, everyone believes they are loved, important and right and do not want to change themselves, but rather see change come into place around them.

Then, people need to be listened to. you cannot handle people if you do not know that you need to listen to everyone, and, have a passion for people, I suppose. If you do like to listen, then maybe this is the course for you? I know mainly women tend to be better as listeners.

If the people need to be disciplined, then you need to know what the rules of the work are, and, something about laws. This means, if you followed my law insert in this giant whopper topic, then this is cut and dried.

So, you need to know the policies of the company, the land, and the people. listening to people and using common sense is important, so, I suggest some philosophy be undertaken so that the pupil can show they have common sense, or, a daily iq test may become mandatory?

This is very easy to do, well, I hope I can explain it to you. If you were to get the names of all the anesthetics and how much you need to administer, then you could try to remember these things.

then, you need a firm hand. you also need to know how to extract and implant teeth. when I go to the dentist, I get a lot of cavities, but, if you observe what your dentist does, they just fill in holes and stuff, yes?

Maybe learning the dentist program on a computer or tablet could help? then they would know what is missing where, and, know the sizes of teeth to make for you to receive.

Really, how hard is dentistry?

This is simple, but, I find it usually caters for people that do not do so well at maths. basically, it is all the financial things you need to know to become a successful business person or financial head. this might also be essential for entrepreneurs.

In the typical fashion, we could teach university level accounting to pupils in a matter of days. This is very easy, all you need to do is remember where the debts and credits go, then use a calculator. maybe learning the countries tax rates is also important, but, it is not hard.

Then there is the economics side to it. if the pupil learns that this graph and this curve look like this or that, then they will be able to make graphs. what good is that? this can be summarised simply in a [document](#)! we made so much here, so much there... this can all be easily typed out, but may be a bit wordy, but the main advantage is it is easy to understand. Then there is the marketing side of it - this is where you learn how to place your product price and quality wise, and, which market you want to target.

If you know those things, without knowing the 'slang' of the people writing the books, something they all manage to agree on, then there are no worries, are there? It is all slang - pupils could call them whatever they wanted so long as they recognise them. Recognising them is easy, then all you need is a calculator!

Management is where you learn to have basic people skills and work with finances. maybe human resources should be grouped with these after all?

There is a easy science - earth and ocean sciences. if you were to observe the earth, there is meteorology and conservation being the main ones, and oceanography being another. then there is urbanisation and human settlements, and, agriculture and farming.

In the main sense, the climate of the earth can be predicted with computers, but, one should also know how these phenomena form. Basically, a low pressure leads to highly varying unstable temperatures, and a high pressure obviously leads to more stable conditions.

If you were to observe oceanography, basically, you learn ocean currents, weather again, and types of chemicals in the ocean and things like that. very easy, but it may cover a few pages in it's essential forms.

I think a lot of time is addressed to the difficult one case scenario in like a decade things. these can be summarised too! How about agriculture? you learn which seed is which, which pesticides to use, and the rest is common sense.

With animals, you need to know what a healthy animal looks like, how long to battery chickens, and maybe some animal disease cures you can read about on the box, also covered by a chemist.

Global language

I remember having a discussion like this a while ago. I think the main langue should be [French](#), as, if you know English, it is easy to pick up, as france and England are close together. in fact, there is a thread on this site somewhere that says French is just mispronounced English.

Also, so many black people in north Africa speak French, france and Canada speak French, and so forth. it is easy to learn because it uses multiple uses for words, and, uses simpler grammar.

I am currently learning french, and have learned at a fast rate. i bet we all could do that. then i pulled up a list of all the places in Africa that uses french as a official language, and was swamped with them. french grammar is also easy i bet!

If we were to acknowledge the people of [farming](#) villages never having access to aid workers, how will they learn? this means, Chinese will remain, French will remain, and Spanish and Portuguese will remain. maybe making up a language that borrows from these will be the easiest way to get the whole world involved? that or teachers that travel.

New bound quark combination.



Quote by: http://science.nbcnews.com/_news/2013/06/19/19040864-quark-of-nature-new-charmed-particle-discovered?lite=&lite=obinsite

A new type of particle may have shown up independently at two particle accelerators, physicists say. The particle, made of four quarks (the ingredients of protons and neutrons), appears to represent a state of matter [previously](#) unknown.

Signs of the particle were sighted at the Belle experiment in Japan and the Beijing Spectrometer Experiment (BESIII) in China. Scientists can't be sure what the particle is made of, or if it's even a single particle at all — there's a chance it could be two particles, each made of a pair of quarks, bound together. But nothing like it has been seen before, and the discovery offers the hope of clarifying the strange nature of quarks.

"It helps us understand how matter's put together, and it helps us understand this underlying theory of quark interactions," said Leo Pilonen, a physicist at Virginia Tech and a spokesperson for the Belle collaboration.

Exotic matter

Both Belle and BESIII collide electrons with their antimatter counterparts, positrons, to create powerful explosions that transform the speedy particles' kinetic energy into new forms of matter. Among the various [products](#) born in the collisions are exotic particles called $\Upsilon(4260)$, first discovered in 2005.

"This is a very interesting particle — it was discovered, but it's never been predicted," said Fred Harris, a physicist at the University of Hawai'i at Manoa and a co-spokesperson for BESIII. "It's a black sheep in high-energy physics."

In studying the decays of $\Upsilon(4260)$ particles, the researchers noticed the particles would sometimes disintegrate into an [even more](#) mysterious bound state that appears to be made of a charm quark, an anti-charm quark, and two other quarks — perhaps an up quark and an anti-down quark.

Quarks come in six flavors — up, down, strange, charm, bottom and top — and each of these flavors has an antimatter counterpart. The protons inside of atoms are made of two up quarks and a down quark, whereas neutrons are made of two downs and an up quark. No particle made of four quarks has ever been proven to exist.

Scientists are still figuring out the ways different flavor combinations of quarks can fit together to form particles. These interactions are described by a theory called quantum chromodynamics (QCD), which is still poorly understood. [The 9 Biggest Unsolved Mysteries in Physics]

"QCD was a great evolution in our understanding of matter — in fact it got a Nobel Prize — but people still can't do any calculations with it because it's so complicated," Pilonen told LiveScience. "(This discovery) is helping us to understand QCD better."

Not a fluke

The new particle has been dubbed $Z_c(3900)$. The physicists can't be sure what $Z_c(3900)$ is made of, but they are fairly sure it exists. The Belle experiment found 160 of the particles, and BESIII found 300. Both discoveries are statistically significant, and are extremely unlikely to turn out to be a fluke. The findings were described in two [papers](#) published Monday in the journal Physical Review Letters.

"Bound states like this have never been observed before, so many in the particle physics community have been left scratching their heads," physicist Eric Swanson of the University of Pittsburgh, who was not involved in either project, wrote in an essay about the discoveries published in the same journal issue.

"If the four-quark explanation is confirmed, our particle physics zoo will need to be enlarged to include new species," Swanson added. "And our understanding of quark taxonomy will have expanded into a new realm."

BESIII is the latest iteration of a project that began at the Beijing Electron Positron Collider in the 1990s. Only recently has the experiment been targeting the byproducts of $\Upsilon(4260)$ particles, and its initial findings on the $Z_c(3900)$ are based on just two months of data collection, Harris said. With more time, the physicists expect to gain a clearer picture of what the particle is made of and what other strange combinations of quarks might be possible.

"We're quite excited," Harris said. "We started doing the X-Y-Z physics recently, and I think we're going to be very successful," he added, referring to the mysterious family of quark-containing particles with names beginning with the letters X, Y and Z.

The first version of Belle, located at the KEKB particle accelerator in Tsukuba, Japan, shut down in 2010, and the new discovery is based on data acquired before then. The project's successor, Belle 2, is currently under construction and expected to start up in 2015. The experiment was chiefly designed to study the differences between matter and antimatter.

"When we first built Belle we never in our wildest dreams anticipated we'd find something like this," Pilonen said. "We were not looking for these particular states, but all these fascinating discoveries came about serendipitously." This could mean a lot of things, as without these new quarks as one of our 'known things,' the quark could be revolutionised. but what would the use of this be in physics?

I guess they could try for a new energy source, or, new chemicals? If it is more stable, as I guess it is, as it is like bigger, then what could we really use it for? Maybe we need to understand it's nature more?

If it has a charm quark, a anti charm quark and probably an up quark and an anti down quark. this means that down quarks will be attracted to it, and possible gel with it, merging to form a bigger particle - all those things and a few down quarks.

This reminds me of fusion energy. if you get the down quarks, which should be attracted to it already, and see them going to the particle, then it definitely is either up or anti down quarks. of course, if you see up quarks being attracted there, then they must be down quarks.

Now, if it repels other protons, then we know what it is made up of, yes?

NSA

Well, when it comes to security, there should be no expense saved. if we will go to any lengths to see a person lifted off of a cliff they cannot climb down, or, say they are a shark attack victim out at sea - the state does not pull any punches.

So, with that in mind, what is one life worth? It just so [happens](#) it is not one life at stake, but many. in fact all of you are at risk of a terrorist attack! it is easy to fan out and have bombs planted.

So, if any serious world threat was considered, the presidents of the near east should all put out a public call to not try to kill people of the west. if they can do that, that is great. if the clerics also do that, that is great too.

If of course, they are asked to do these things, and they do not, we can only assume that they support this [ideal](#) of terror. that means we should try to put them under watch too. then we will know where there are to be bombs planted in an organised manner.

How else can we stop it? if there was to be big messages from the clerics of the region to cease and desist this, and rat on people that they think are doing it, then there is a hope for peace. That is the only way everyone will ever have peace.

Of course there are other things we could do, including my metal detector and gunpowder through radio waves detectors. these will alert people of bomb making.

Or, we could go for a more direct method. if there was a problem like we have in brazil, and it could turn into a bomb laying sort of thing, with police targeted, then we must find a way to protect them too. by the way, why does the whole country throw up their arms when a citizen goes down, and nearly manage a scowl when a soldier goes down? I think there is something to debate?

So, to get the people of brazil to not throw petrol bombs and plant more dangerous bombs, we need a plan. how about if they were to threaten to throw petrol bombs back at them? that is unlawful, but it might work...? let's see, if someone throws a petrol bomb at the police, and the police throw one back, I can only see a lot of petrol bombs flying through the air. we need a new plan!

If they were to buy some more fire trucks, or, give them more [money](#), out of the citizens pockets, for putting fires out, then there would be less petrol bombs thrown. affect the person personally, and they wake up to a personal conflict, I always say.

So, for every petrol bomb thrown, they will pay up for it in the manner of taxes. the thing is, these people haven't even been to work in a few days, so the country may come down to anarchy soon. mar4ching after hours I think is fine, but you need to do your work first.

How about they get a lot of fire retardant, that comes out of the social security for special needs kids to pay for the fires? that way, they will be harming people that really need money, and won't be so likely to throw petrol bombs and burn things. it is a simple understanding.

Or, they could also enlist a lot of helpers that will put fires out. they could all wear hospital gear, so that they can 'blend in,' and then put the fires out as soon as they start?

Suppliers based stock purchases

Maybe another way to successfully trade stocks even better is to identify where there is unresolved potential? if you were to look at the potential of a company, say get a look at their books, then you could verify whether the company is dormant for a time of high gains.

If you were to identify weak business partners, or, identify new better ones - say they are up and comers and the business is just 'lazy' - then you could forge a new set of suppliers quickly. heck, if you were to live in the first world or third world, you could switch suppliers each month as they offer better rates for their supplies. in the event of non delivery, you could take them to court!

You will get your goods out of them. switching suppliers means a lot of telephone calls and trips to the bank, so, the staff may not like it, but, once they get used to it, they will thrive and be secure in their jobs as you cut costs.

If the staff has the mentality of having people call them back, and waiting long times for that, they must go. fired. if they sit on the people and call back to make sure everything is okay, they may think they sound stupid, but that is the way things should be, double checking all the time, taking the burden of the 'indignant' phone call onto oneself. if they cannot do that for the company, what good are they? conversely, if they do this, they will see time ease off them, and therefore off their employer, yes?

Cybernetics.

This is something out of science fiction, but surely it could work? What if there was a way to open digital libraries in your mind? you could upload large portions of Wikipedia that way, or other things - even having internet working in your mind to chat and design and process things.

So, how would we do this correctly? I suggest we try to use it on chimps first - to see if we can get them to talk to us or something, or, maybe that is too cruel? Let's rub this chimp nonsense out of it [completely](#)? If we could rather design something you hold in your hand, like a electronic ball, and, using vector communications, we could interact with our ball and then access the resources for it.

Or, we could implant tiny mole size implants into our bodies and use that? all this has to do is receive vector signals and [send](#) that information to our nervous system. That will take it to the brain as fast as any other sensation.

Right, so, we need something that receives vector signals, and that could be done with a tiny hair size flexible 'antenna fiber' that you stick into your skin. this so far would look like a mole, but not discomfort you. of course, it needs to e water proof. then the actual 'console' can be split between interpreting things and sending them out into your nervous system. This means we need to find a way to convert the signals into something the nervous system can understand.

So, we need to find a synergy between body and scientific language. If the body works on impulses, it is coded to interpret them 'naturally', using organs and such. so the nervous system just carries 'waves' of sensation. now, if we were to carry a computer signal inside the nervous system, then all we got to do is make it for the organs to interpret, yes? How do organs interpret sensations or signals? Well, i suppose they sort of just transmit the impulses, and we get them at what we consider, loud, hungry, sore and so forth. So, we need to use what we already have - ear drums and iris's - and get the message there. I suppose we could, at first, aim to have a constant visual from televisions and radios.

Now this is easy! if we were to place these 'moles' with a needle transmitter to the body, and a radio receiver to catch all the signals out there, then we could access these things anywhere any time - just like [esp](#)!

Well, it is one thing to get a one signal telecommunications thing in your head, but there is more to be had than mere media. i want to access the internet in your mind's eye, and, even be able to do things like programming. All, we need to do is make a computer terminal with enough nodes for a whole city to access [the net](#). If my guess is right, then there will be a lot of people surfing the web without laptops, and, using vectors communications, the speeds will let the people do these things much faster than 'for real' as our mind works faster than our computers.

The signal. so, i suggest that we start with the signals to and out of the terminal. if we were to send out a vector signal, we would need one coming back to the terminal and such, so, instead of making the 'mole' bigger, we will make the signal like

radiation - where it penetrates the person's mole and carries impulses over to the next vector terminal, like going through the 'mole' on our bodies, interacting with the 'node' and then taking the information back to the next terminal, where it get's sent to the same node with the things it needs.

Translation. that will be easy, as vectors have no depth, so, will go right through the body. Then the mole needs to be able to change the information it gets into something you can see, as having a voice based internet is way too 'chunky.' this means it needs to go to your eyes, somehow. if we were to access the eyes with our signal, in the right frequency, we would need to send impulses to the eyes. this might be very delicate. But, if we were to place this signal into our coordination system, I am sure that the eyes will pick it up. heck, maybe we could pick it up from our other body parts, and then see the information swirl around in our nervous system in the form of those bodily sensations, eventually finding the eyes? This part i am not so sure on.

Interaction. if there were to be impulses received on the 'node' or device, then the communication can be two way. The device can surely pick up a signal or impulse from the body as simply as hospital equipment.

More forex

To maximize your gains in the market, you need to know who is in business right now. the yuan is slowing down, as it's high commercial output has been slowed, due to the maximizing of it's gains in the noughties. if you want to make real money, as yarn said, africa is rising. the trick is to find out where the money is coming from, no where it is going.

Buying into a customer country is bad news. they will find more money from that place than ever before. places like america and britain - the first world - is where you will pick up less money, as they merely consume! the real work is coming from the third world. that is where goods are bought, so, you want in on those currencies, yes?

Now, to get the most out of the currency, you should look into the industries o the country. if they are raw materials, like wood, then there is importance on following with the largest customers for that good. then, you should look at where it goes next, and, follow on the business news how and when the goods are moving. hell, you could buy without the country exporting! look at who has outsourcing there, and then buy currency of that country when the outsourcing companies process, as, the company is trying to produce, it will use up money. if this happens regularly, on a schedule, then it should be noted, well, the biggest companies, in the business news. then you just got to buy before the deal goes through, and, the deal usually goes through after the news is reported. but then, everyone will be buying the currency at the same time, making it more expensive, so, don't look at the companies, look at the raw materials.

If you were to try to make money on the [currency trading](#) sites, then you would need to sell as soon as you can, as currency is always getting worth less, as there is something called inflation. this means that you need to unload all the currency you cannot use as soon as possible, and then reinvest it in the stock market. currency trading is a terrible way to lose money if you stop trading for even a week!

How about if you were to observe the currency pairs? the most flexible currency is the dollar and euro, and the least flexible is the poor countries currency. if you were to buy currency paired off from a british pound, that is a real heavy weight, but they will not always be. if you were to observe the actual value of the british product - what does britain export? this means you don't want to buy pounds, but rather use pounds as your opening currency. there must be a way to get your bank to convert all your money into pounds, and then you will be [trading](#) down.

If there needs to be a new way to make money using [forex](#), then you would need to watch the holiday guides, and see where people are going. this means, you would want to buy their currency in the off season, and then sell it in the season when people are doing business there. if you were to observe the commores, whomever they belong to, you should buy their currency in the winter as they are in the northern hemisphere i think, and then you could sell their currency when people go there. actually, you would be better served to buy a really small countries currency like that, as then you will see rewards much sooner. Somewhere like moldova would be good, as the currency is very influenced by the tourist industry, as they don't really have a product either.

What is Christianity about?

Has anybody ever really thought about this? how does christianity affect your life? Isn't it true that, god, dismissing non believers and holding believers near, will, hold some nearer than others? where does it say in the bible, from god, that he loves everyone the same? surely he doesn't love sinners? if that is true, and everybody sins, surely those that sin more, will be less welcome?

What is there to aim for? if you see somebody living half as much a [christian](#) life than you, and they are loved equally, then you could lead half as christian a life. if the bare minimum is to love as much as you do, or, as much as someone else does, then what is the par? and, what does living like a christian mean? is it to have god in your life? i am a pagan, and i bring neptune into my life more often than any other christian, as i always think of him when i am doing anything that i love.

So, what does being a christian mean? is it about loving god and jesus? if it is, then how much must you love, and to what end do you know your love for him? if you bring him into your life, i mean, when you are getting ready for breakfast, not to be thankful, as that goes without saying, but to think, for example, what god would like you to eat - all the time things like that - do you do that?

So, as far as i can see, being a christian is not about whether you love god, but rather, how much you love god! if you don't love him as much as the [next](#) person, then you might be a fool and waste your 'half way' love and not be admitted into heaven. Of course you might find that god in fact does love everybody equally and throw some of them into hell. What does that mean?

If you bring god into your life, you are blessed, no [matter](#) what god that is. if you were to bring him in when say you are your most joyous, like when you are buying new clothes, for example, he will surely see you love him, but, then again, he already knows. Being a christian is about loving Jehova and Jesus. Then you follow the laws, and then you hope for a little bit of lee way.

What do the others on the forum have to say?

Revelations in the Koran.

The first objective of all people that want to be held high by allah, is to find the straight path, or...

SURA 1. AL-FATIHA (THE OPENING)

- 1. In the name of Allah, the Beneficent, the Merciful.*
- 2. Praise be to Allah, Lord of the Worlds,*
- 3. The Beneficent, the Merciful.*
- 4. Master of the Day of Judgment,*
- 5. Thee [alone] we worship; Thee [alone] we ask for help.*
- 6. Show us the straight path,*
- 7. The path of those whom Thou hast favoured; Not the [path] of those who earn Thine anger nor of those who go astray.*

I find i am on a path, and i call it the path of least resistance. i find this is about accepting the world around you, as, many people like to see change around them, but not in them. people always ask for the world to change without offering the change in them first. This is because we all believe we are happy, right, and loved - as it is unsocial to think of your self in any other way, and we will lie to avoid feeling anything other than this way towards life.

So, i believe that the path of least resistance can be the path that Allah wants all his people to be on, that every god wants their people to be on. This means, you need to **accept** that you are not perfect, and do not make perfection where you labor, but, that you can always improve. if you sit back at the end of the day, and congratulate yourself, that is fine, but the need to feel better the next day will become apparent. failing this being better each day, you will feel defeated and maybe not care the next day. then, you need to push yourself and try to be the best you can be.

Sometimes my mother gives me tasks to do. i try to get out of it, but then remember you cannot run from responsibility. then when you do it, you feel good - you have made someone, maybe even yourself, happier. This is natural, so, the focus is on doing the right thing as soon as possible. one thing that makes my mother laugh, when i sit there with her, say, i have just sat down, then she asks me to do something for her, i always get up right away. i know not people ask for some time, but if you can go without this time, then you will be able to have that time you want back at the end of the task.

So, you need to try to be better each day. Effort is the key to every action. Then you must also be ready to make concessions. if you can go without your perks for a while, say, you have a favor owed to you, dismissing it will make everyone happier, save yourself. of course, if you want to spread joy, forego all your favors, say nobody owes you, 'forgive' and forget the thing they must do, and, do it yourself! This is how you can feel good, as, if you keep doing things for yourself and others, then you are the cause of joy and peace and pleasure and everything else. you are.

Now, as i have already covered, it is good to say yes to responsibility. if you can say yes to these things, and yes to accept yourself and others, then you are on a path that is good for you. I cal it the path of least resistance, but you may call it something else...

If you were to take on responsibility, you wouldn't know it but you have already changed! change around you... everyone likes that, so, if you were to be the change others feel around them, then they will love you more, including your god.

I believe the disbelievers will be sent to a horrible place, as, heaven has levels, so does hell. How do you spot a disbeliever, and, why would you want to? Why do you believe? why do you disbelieve? Why is there belief?

If you were to believe, because your parents told you to, remember that their parents also told them to, and their parents before them. Eventually, you will back track to a time where Mohamed actually was with the people. How can you be sure this is the word of god? if they were not, where would mohamed have come up with them? Isn't it all obvious? what does the koran tell you that you do not naturally know?

If the koran was written by mohamed, or, sent to mohamed by allah, then there must be some real evidence behind it. If you were to observe, you would see that mohamed led a long life or 'war' and did not get killed by the others as allah was protecting him. Imagine walking around spewing nonsense? this would have gotten him killed! There must in fact have been some signs from mohamed for the people that he was a messenger of god.

If mohamed was lying, he would have said he is god, yes? if mohamed was lying, he would be rich! if mohamed was lying, he would be spoiled and fat and rich, lying on his back eating all day. But this is not the case! if you think of a traveler - a man that goes here and there, and also speaks of his intimacy with god, surely he believed. So, this must be the words of god, or, the words of mohamed. who is to say that mohamed was not a prophet? could a old wise man not also do these things? If there was no old wise men saying their own ideas were the words of god, then why did this man? It is clear there was some chemistry here.

So, when people ask you, how do you know that mohamed was a prophet from god, it is correct to say that you do not know, but he was full of 'good stuff,' and he was honest, and, he said obvious things, yes, but they were good things. If you were to hear a young child say good things, they could also be the word of god, as they are honest words. What word of man is not the word of god, why, only lies!

Now, why do some disbelieve? they want more evidence! if they were to think about gods, and they decide there is no such thing, then they are honest, but, they were told by someone else about mohamed or jesus, and there is a 'relay chain' going back to when they lived. i am not sure what miracles mohamed did, but, if it was anything like jesus, the people would have gone back and spread rumors of a fraud or worse, and that would be your 'relay chain' from your elders back till then. where does a rumor start?

If you were to observe my magic thread, then you will see real magic and spirits, and then you should believe. there is no place except few parts of the world that so many live in such agony, the agony of being without god. It is true that they will suffer in the next life, but, they are already suffering. they are not on any path to help themselves, and all people, no matter how stupid, believe they are happy. take them into a church or mosque, and it is clear the power of god, as you can see the magic and feel it, unless you are dishonest with yourself, refusing a positive change. That is real agony!

I find this to be about the way you accept god, or he accepts you. If you were to be evil, he will not accept you. everyone is evil, at base, as we all seek to serve ourselves. of course, if we serve god, we will be happier and spread joy. If we seek to serve our fellow men though, would this be okay? I mean, wouldn't it be better to ignore god and serve the people around you, as that is a real problem?

Well, you must love your family, love your neighbor, and love your god. you must love your god because you need to know him, to think about him, to bring him into your life. When you help a young child in the street outside the house, and save them from a car accident, then take them home, and their parent doesn't let you in, that is because although you have done well, you have not tried to get to know the parent. Imagine then god saying thanks for looking after my people, but i do not know you? Would you like that?


So, if you were to be helping others, and your dependents, but have no time for god, then he has no time for you. of course

the people you help will help you, but it is not their heaven you will be going to! You need to know god in order to be good friends with him, or, you are not his friend, less his servant.

I find the women have no rights by global standards in the near east. this seems to the world to be true in the whole of asia too. Why has this culture gotten so over the treatment of women that they are seen as mistreated?

I remember having a debate a while ago about how junk it is to live in the near east as opposed to a first world country. I guess that only if you were to look at the crime stats, you will see that no crimes are really committed in the near east, as the people there have more 'moral fiber.' if not, why so few crimes? are they lazy to steal? of course now we need to think about what it means to be a mistreated women, as, men with more moral fiber, would hit their women less. I must point out that men that drink in the west hit their women more than those in the near east, yes? let's take a look...

 Quote by: http://en.wikipedia.org/wiki/Epidemiology_of_domestic_violence
According to Southern Connecticut State University: "In 95% of family violence cases the victims are women beaten by male partners. In 1% of the cases the reverse is true. There are an estimated 28 million battered women in the U.S., more than half of all married women in the country."

 Quote by: <http://saynotoviolence.org/issue/facts-and-figures>
Between 40 and 50 per cent of women in European Union countries experience unwanted sexual advancements, physical contact or other forms of sexual harassment at their workplace.

As you can see, there are plenty of female beatings in the world. i say this is because of drinking and adultery, which, in the first world seems to be highly acceptable. this must be why the bible or koran teaches everyone that adultery is wrong, as, it leads to misery, yes? I cannot find information or statistics on the level of beatings in the near east and north africa, but guess that every women is not walking around bruised. in fact, i bet there are fewer women there bruised, because they commit less adultery, and therefore have less to be beaten about.

How often does a man just beat up his wife? just for a whim? if they didn't do the dishes for example?

Well, if there are so few women being beaten, then the women treated by moslems must be better. If in saudi arabia, the most religious of all moslem countries, there is no outcry for bruised women, with pictures of one eyed dismembered women all over the place, we must assume, that they do not do it often, or, at all. this is because they submit to their families, and find a role in life. this is attributed to higher moral fiber, as i have said before.

I find this book is about the greatness of allah. If allah is the greatest god, what makes him so? If he is the only god, what are all the other people worshipping? if allah is the only way, why are others happy with their lives?

Allah has presented for you a great prophet. he has told you to be true to the word, and be true to him, and true to yourself and others. he has sent forth no idea of the day of judgment, but, will judge his people. if allah says in this book, being a jew is fine, so long as you recognise me, then he shows he is mindful to other cultures...

13. Allah made a covenant of old with the Children of Israel and We raised among them twelve chieftains, and Allah said: Lo! I am with you. If ye establish worship and pay the poor-due, and believe in My messengers and support them, and lend unto Allah a kindly loan, surely I shall remit your sins, and surely I shall bring you into Gardens underneath which rivers flow. Whoso among you disbelieveth after this will go astray from a plain road.

So, as you cans see, it is okay to be of another faith, so long as you accept allah as a god. this is called compromise - allah knows that every people has a god, and says that all he wants to be is recognised by the true believers. do good for allah, or your god, or both, and reap rewards in their names too.

This verse is all about recognizing allah as god, and trying to avoid judgement so as to suffer from it. if the day of judgement comes, and you have strayed from the path you know is right, you will have wrong visited upon thee. this is obvious. so, what is the right path to that day? how do we approach that day of judgment?

Thinking only of that day will not be a good reason to spare you. if you fear god, you are not wise, as allah means you no harm. if you fear the devil, that is wise. if you fear other men that do not follow allah, that is wise, as they might not have much moral fiber, yes? of course if you were to live in fear, there is no love in your heart, save love for yourself! if you fear allah, it is love for yourself you feel. if you fear anything, yes, it is love for yourself you feel.

So, how do we love one another? Jesus says to turn the other cheek if anything bad happens to you, and i suggest this be done in contingency, or, in preperation. if you think you will be smited, then you need to prepare to forgive, and keep your heart full of love. if you look to the gangsters on the street, and fear them, don't. if they attack you, defend yourself. if you were to fear them, then it is only for you own safety that this happens. if you love your family, join a neighborhood watch to get rid of gangsters. do not fear them, do something about it or forget about it. do not lust to be with them as for a safe haven. if you have nowhere to go, go live in the town square, as then you will not fear them any longer, as you are now preying on them, yet not really.

If you have fear of the day of judgement, then you must not think about it, either do something about it or forget about it. that time could be spent thinking of god, or your family, or your friends, or your neighbors. If you were to waste time, that is the greatest sin of all, as when you waste time, you give into fear, you fantasize about things that make you envious, you become lazy, and other things all rolled into one.

So, when someone asks you why you are not afraid of the day of judgment, tell them that you have no fear as god is not your enemy, as he loves you, created you, and means you no harm. Then try to spread love as much as you can, as then you will receive love, and, then you will be filled with joy, and god will be joyous for you!

This is all about giving thanks and recognition to allah. If you have, and another has not, should you feel lucky? what is luck? isn't it the karma you have built up somehow, thinking good thoughts or something? Why would the determined universe give you that, while someone else goes without? it is pure love from allah, or god, or whomever controls the 'luck' to give you good grace with himself.

If the world were all blessed, then there would be no problem. the thing is there is a problem! these people that go without congratulate themselves too much, and lady luck hears them. they are the good people that bad things happen to! yes them! that is why they suffer, they do not spread enough love for what they say they attempt to do. nelson mandela had bad luck, but, through love for his country, he righted the world around him and inside of him. Then he died. of course he was lucky in the end, but he must have been a rabble rouser in the beginning.

So, if you find yourself in good grace, give thanks to god. that will spread even more love for them, to them, and they will embrace you. if you cannot love him while you are standing, do not try to love him when you are out of grace.

This verse is about the power of allah giving you victory in life. if you were to [accept](#) the help of allah, once again, good karma - to say you are weak and he is strong, and, to ask for help, then you are a good person. If you take responsibility for your words and actions, and, only a fool would take chances with something they hold dear, you ask for help. Who do you ask?

Typically, the best person to ask is a priest. of course, they are always busy, or not trained in these things, so, you appoint a priest in the men and women around you. Then you are showing you care about your 'task,' and show too that you are not [joking](#). people that stand around saying they do not need help - and i have seen them everywhere - the ones that don't know what to do, and do not want to ask for help, well, they are forsaken to their task. They are not loving, they are not working, they are not anything. They are just junk! Like junk that takes up space...

If you were to ask for help even when you think you can impress somebody, that shows character. always asking for help can hurt your feelings a bit, but it is good to check what you are doing at all times, in anything you do. When you [accept](#) that you had help, somewhere in life, and often in life, as we all do, then allah will see to it you receive further help, as in one verse, it was said that he would send a thousand angels or so to help you with your task. Just look around, people can be angels too - use your imagination!

If there ever was something that people question, it is the need for forgiveness. If you do something wrong, you need to admit it. i led a life where i made a lot of mistakes, and, i did not apologize. now, i apologize a lot, often because it makes me feel good. So, why are people slow to say they are sorry? What blocks them but immaturity?

So, owning up to your mistakes is good for you. if you were to make a boo boo, you could be forgiven by a multitude of people! it feels good, trust me! if you repent to men and god, that is all the better, isn't it? If it feels sore at first, because you are 'in the mind that you are right,' a true moral absolute, then you will get used to being sorry, and feel good when you apologize.

But, why do i say this is a moral absolute - feeling you are right - when it feels good to apologize? well, have you heard of gentle giants? if you were to feel ten feet tall, and get used to being nice to people, and offering your thoughts when you make a mistake, or they, no matter, then you will be a 'gentle giant.' If of course you were to make mistakes and deny them, they will weigh on your mind, or on the safety of others even! if you were to make a mistake, then you need to accept it is a mistake that needs correcting, or, accept it is done and deal with it.

You must ask allah for forgiveness because he is your karma. if you deny your karma, then your whole world could fall apart, and, you could be in a situation as i mentioned earlier. be humble please.

This verse seems to be patience of allah. If he were not patient, you would all see judgment much sooner. In judgement, you will find you are quick to grab hold of the riches of your works, and quicker still to avoid the wrongs you have done. So, why is allah patient? why should we be patient for judgement?

All parents are patient. people that live today were some created by allah, as they are brown, and other created yellow and white and even black. These cannot all be in the image of the creator, as, they all have genetic differences, and, will not have been given enough time to develop that way. If they were all the same color, then they would maybe have the same creator, but, they are all different. now, if you were to observe how living under the same sun in the same hemisphere would bring about indians from america, and white people from europe - in the same seasons - maybe you would say that the cloud cover is different? would you say that? maybe you would say that the people from england crossed the sea and settled there before they could swim or build boats? there is evidence of life there from before the times i am sure. so, they must have different creators, not spawned from the one true god, as there is no one true god, only a multitude of gods.

So, seeing as how there are many gods, why are they all so patient? I have heard stories where they were thrown here with giants and others, and then worshiped for fear of the wrath of the gods. That is all gods want from you, for your creation - like we create robots to do things for us - we do things for the gods, give them our time and let them marvel at them.

The gods are patient as they love us. There is time to reconcile, and we have it.

This verse is about serving nobody but allah. i thought it strange at first, but now decide that it is true. but, you may ask what about your boss at work or your parent or teacher? what about serving the community?

Well, if you serve others, you could say it is because you have been instructed to. if you were to serve others, like in a job, then you would be serving yourself or money, but, you need to do that! if you were to not serve yourself, who would? would you rely on charity? Then what would become of you? So, this is obviously a problem if you look at it as such. If the world serves money, as bankers do, then where is there room for god? I guess that it must be to serve him in your free time? no, maybe it is to serve him by bringing him into your daily life, as i have said before. this will enlighten you, as he molds the universe around you, as all gods do.

So, if you were to serve god in a manner that you feel is satisfactory, do never be happy! you must always try to serve god, as, if you do this, you will better serve your community and family. If you are a child too young to help your family, then maybe you should bring allah into your study or playground? imagine playing a game for him, like catch catch? If you were to say that god will catch the devil, then that is good - you have thought of the almighty at a time when it is easy to forget.

Serving god is important, as he created your ancestors, and you are but a mortal bathing in the splendor of existence. This is what is left over from creation, and at the end of the day, you are either going to go to heaven, or hell, and if you do not serve god a lot, or strive to serve god, no matter what you are doing, then he will bless you.

Of course some might say, as i often hear, that serving god is silly. this is not true, he will fill you with the wonder of being. so, to the athiest, say that he has filled your life with joy. this is true, even if he does not exist, as merely thinking of him makes him exist, as he has reactions born into your life. So, allah does exist, and there are reactions coming from thinking of him, and these make you happy.

This verse is about joeseph who was sold into slavery. i believe later he became very important to the king or a king. this is about forgiveness and turning the other cheek. in today's age, if you turn the other cheek, you will get that one smacked as well, yes? well, that is still what allah wants you to do, as the meaning of muslim is one who submits, yes?

So, when you are wronged, you might want to wrong them back? do two wrongs make a right? if someone burns your house down, then you will have two homeless families with burned houses if you do the same. of course, you can take legal action, but that is still wronging them. if you were to report him to the police, you could say that this is because they might do more wrongs to others, right? Of course they could again, but your real motive is to get revenge, obviously. if you were to forgive them, what good does that do anyone?

Now, the police are there to serve the community, and, if they were to protect you from wrong doing, as the other person is also one who must forgive, then for them not forgiving you, you could take legal action. back in the times of mohammed there were police there to do just that, and he knew about it. i have not yet heard a utterance of the police in the Koran, but, suppose this is sensible.

If you were to forgive them, that still leaves them unforgiven by god. so, as god's gift to you, you should take action not for revenge, but for giving you back what he took, as theft is a sin. if they merely hit you, of course, then you may take them to court too. how can mohammed have left this out, while still talking about laws? if you were to just forget about it, you would be a fool. you need things to survive, and anybody that is removing these things from you is in the wrong, and should be made to pay a fine or removed from a loving society. i am sure as you must forgive, they must pay back what they took, in any way possible, yes?

So, if someone attacks you, turn the other cheek if it was small, or tell someone that cares. it is their job to care, and they are sworn to protect. more violence would be just that, and two wrongs do make a right, so, do it the civilized way. If they cry out for forgiveness, it is wrong to punish them? their lot is thrown in with the police, as they must answer to the laws of man, as these laws are based on a functioning society, and, are related to the ten commandments.

So, you do not need to turn the other cheek, not if it means they have broken god's laws.

This seems to me to be about the thunder of knowing and believing in god, and disbelievers thinking they can get away with being like that. it is also about the creation of the world, and sexes.

If someone comes to you and says they believe, and you know they do not, they are the fool. if they say to you that there is no god, you can inform them that there is a god, or, many gods. When a god says to you to serve them, know that they are your creator and you should abide by their rules. The god called allah is god of the near east, as he made people there. the god jehova is god of isreal, but in isreal they serve yaweh, and in europe you find christians. something did not work out? it was all meant to be.

God knows the future if he wishes, because, everything is determined. Seeing as how there is fate, and every action has an equal reaction, there can be only one result. you can say to a disbeliever, that god wants them to not believe, then be filled with awe at his marvelous creation. but, how can we know that god created earth? is there any evidence?

I would say the evidence lies with the way things work. is there any other way for them to work? is it possible they would work because they are just supposed to? What is the chance of something, somewhere, not working? If you were to observe the chance of something not working, it would also lead to a lot of other flukes from then on. if one simple thing does not go the way it is destined to, then there will be chaos.

So, god exists because we were nurtured in creation. do you really think anything like us would exist if there was no god? how about the spark of life? why did people stay a caveman for so long, only to become people? they were guided. all mutations are guided, as, they all work. there is no such thing as a chance mutation, as there is no chance. If there is no chance, it is guided, yes? how can it be guided instead of just happening? because there is no 'chance!' This means there is no chance it is an accident.

People that disbelieve in god are believing in science, but science says there is no chance that it is random, so, they defeat the object.

This verse is about who belongs in heaven. i find it is common for athiests to think that it is silly to say that nobody deserves to burn forever, and, if the person has fate, there is no way out of the fate before them, so, why burn them?

Maybe, somewhere, the person did make a choice? if they were to burn forever, why create them? if there is a thing called fate, then why do some of us find a way into hell?

If you observe the person as a whole, they do make decisions. this means there is fate, yet we are in control of it. we have nothing else to blame for our fate than ourselves. if you find your life is full of hardship, or sit around moaning instead of doing something, then you are condemned to be without the lord.

I find that self control leads to our choices always being determined, yet, they reflect ourselves. we are given every chance to make our lives right, yet we often do not listen or do enough. We are destined to do this or that, but, every time we find this destiny before us, we are given a choice. well, under normal conditions.

Even though [gods](#) know what we will do, we are able to be with them upon a whim.

Why we are living in paradise

It is true. it is easy for us to say that we are not, us with computers and stuff on the internet, but in fact we are living in paradise. now i postulate that everyone is living in paradise, even the poor, even the maimed, and even the mentally retarded.

How can i do this? well, if we were to think of the world around us, it is full of natural things. if anything was unnatural, it would be like hell, and there would be much more suffering. nature can do only good things, as it strives to survive - everything strives to survive as easily as it can. Now, when we think of someone mentally retarded, they are living in paradise because they are able to eat, breathe, blink, live and all that. that is not a lot, but it is better than nothing. only in not existing is there no paradise.

The world we live in is beautiful. if we were to look at the way pit bulls maul children, then we could say this is terrible. the truth is that it is all around us, this suffering, in one way or another. the ability to observe suffering means you are [alive](#), and that is the greatest gift of all. If the world was to be nothing, then you would never feel a adrenaline surge or anything, taste sugar in any way, sip a coke... even squatters get some of that now and again.

If the world were no reactive, then no matter what you did there would never be a sign that said you were there. A sense of pride, a sense of achievement... these things are afforded to you in exchange for nothing. every thought you have is your own special thought. every day you see the sun rise and set, and you may be able to close your eyes when it hurts. Then there is the prospect of having something to eat, or not, and if not, it will just make the [next](#) meal taste even better.

Cultures are not different in terms of what they postulate.

I find that people on each side of the world find others weird. if they were to look at what they are striving for, they would find that they all want the same things.

But, the most obvious difference is oppressive treatment of women and modern day slaves. If you were to bring this to the west, they would reject it [outright](#). of course, we are all human so want the same things, so, how do we arrive at these different cultures? If the world were smaller, we might see people trying to save each other, but, being so far away from each other, there is little we can do.

So, if you find a slave that is in debt, and that is why they are a slave, observe that they are in jail for debt, just outside the jail. this should be easy for westerners such as myself to interpret.

How about poor treatment of women? this is no different than in the west, as drunken domestic issues come to the fore all the time. how often would you beat the person that you trust so much? this hardly happens in asia and africa though, as there are no raving reports of streams of battered women, are there?

What about religion? wars have been fought over this, and, with al queda, some still are. If the people of the near east, for example, were to take into account the american, or french, or [spanish](#) civil wars, they are just the same. people fighting for ideals. i know in sudan they recently passed an archaic law for dismemberment. this is where the culture is different, you might say.

Now, there is the difference here of society. if you take two people from anywhere in the world, they are both humans. how do you account for the differences in cultures? can you? can you find where the culture went differently? it comes from 'relayed role models.' when you grow up, you see others acting differently, and emulate someone that you think is cool - powerfully, wealth wise or whatever. then you grow up hearing about them, and what they want, and then base your own reality on theirs. it just so happened that the people in the west had more freedom with their press and emulated rock stars and women hungry men. the key to any culture is the media.

I suppose that the current generation is dying out now. the 'people in power' are all old, and i am sure that the more the west streams to the third world, the more they will emulate these 'rock stars.' This leads to an ambitious society. think about it, al queda only has a radio of religious music and a mosque, and, the djs no doubt have their foot on the west for all the ills of the people there. these people believe it because they are not exposed to anything else.

If the world was to be exposed to the west more, it will dominate the cultures of the world, because, they are more into self serving ends, and everyone is self serving. everyone is self serving, because that is what they are told is right, and it feeds them personally.

So, are cultures different? is something wrong with someone else over the border? is north korea a mad country? I have read the koran, and find nothing about hitting women in there. if the world wants to come together and end it's problems, they need to first accept each other. it is harmless for people to sit around and say that it is happening over there and not here, but, if the forces that be do the same, then there will never be an understanding of any kind. of course, this just means that people will talk less to others of the people they do not like or understand or whatever, so it is harmless too. i mean, what could they possibly do even if they were interested?

If the world was to come together, nothing would change. us westerners will just sit around patting ourselves on the back saying how multi cultural we are. good show. what would change?

And if you say that there is a lot of rape going on in the congo, for instance, then that is because the men are demoralized and want to feel powerful and in charge. this is normal, yes? if you were feeling down though, you would probably build a orphanage, these men just rape. there is no other thing to do than have sex. we hear sexual harassment stories from the west all the time - office to jungle.

So, we are all the same. the only difference is our circumstance and media freedom and role models. and even if we were different, nothing will change.

The ideas of the u.s.a. are personal. these come from individuals, but, individuals make up a culture too. of course we all find it hard to grasp what is what about america, as we have not been there yet, or myself at least.

If the culture has a view different to another one, we need to think of why that is so. if the culture looks after itself first, as all do, then america could say they are great, and others with a poor understanding of economics could say otherwise, or maybe they even have a good grasp of economics. so everyone is after looking after themselves and their fellow countrymen.

How about something like russia's anti gay laws now? that is different to the west right? what if i told you the russian government is after the conservative vote? it must be that the whole of russia's conservatives, or a good deal of them, are anti gay. they are anti gay because of all the lack of media coverage. the media coverage is lacking because there is not enough interest, so, this contrasts to the western views. but, the views are different because of the level of development of the people - exposure leads to informed people.

So, the west likes gays. it is politically correct to be for gays in the west. in the east, it is not. this is because the rock stars and role models over in the east are different, but they are followed. if the 'idols' do something, it is mimicked by the youth and middle aged. this means, with more television and internet they will all end up the same.

The only difference is the role models.

Now, as your opening point being that not everyone wants to install a dictatorship, this is only because the army has individuals inside of it that are corrupt. if the people in the city don't want the same things as the people in south america, please show me why?

Raising 'better' children.

A few years ago i wrote about the ways parents can improve their kids lives from being a baby to becoming a loving, honest and successful child or young person. I cannot remember all the things i wrote about, but i remember i touched on 'association' for the kids where they associate things in their lives with other things. now, while that might be fun to do, i want to make them better people fit for society. I will try now to do that! you are welcome to add to this or question my methods.

If the child likes one parent more than the other, have the parent they like more deliver bad news and punishments. if the child does not listen to the authority in their lives, they will find that mommy or daddy is no push over, no matter what it looks like to them. eventually, they will get used to being pressed by the ones they love, delivering to them the ideals that

you cannot always get what you want. if they were to love mommy more, and mommy delivers the punishments, then they will learn to deal with being dumped by the one you love more easily. this could get their minds off of heartbreak, and onto their responsibilities. this will help them [accept](#) the word no, which could save them a life of stalking or even becoming a rapist! if the child was to learn that no can come from the one you love, then they will accept others rights more.

Now, the most important thing in a child's life according to some, is religion. will you talk to your child about god? will you tell them about science? will you show how they conflict? will you let your child know if you are religious? will you let them hang around with athiest members of your peers? what is better for the child? This will surely lead to more debate!

How else can you teach your child to become a success? well, if you were to send them to a school where there are lots of kids of different colors, then they will mix more and be less prone to become a racist. then, you could also try to give them chores to do, as this will let them take on some of the world ahead of them later in life. i know my mom is trying to teach me to cook lately, and i know i will need to know that one day, so i listen. of course, if they don't want to listen for free, give them pocket [money](#) maybe?

If the child was to misbehave a lot, you could try to change their attitude. if you were to do things that their peers might think is cool, like giving them a hiding, then do not do it! if they think it is cool to get into trouble, because they will get attention and labelled a rebel, or bad boy or girl, think of ways to make them 'suffer' for misbehaving. make them go to the shops with you, make sure their friends see them at the mall with you, go to their school after they finish and ask to be introduced to their friends. then they will change their mind quickly! they will either [accept](#) it, and 'denaughtify' or they will try something drastic, so, be on the look out for something drastic in the making.

Now you need to give them a work ethic. without this, they will not strive to be the best they can be. if you want them to succeed they need to get the right attitude. if they do not have the right attitude, they will fall by the way side. if they need to be encouraged to work, tell them you will cook their favorite meal or something small. then they will learn, to eat their best meal, they must be their best. Do not do things like ground them, as enrichment beats punishment.

Let's try to solve those unsolved problems in the world again!

With this thread, i will propose all the unsolved problems of the world so we can have a crack at it! Let's go! you can find them here... http://en.wikipedia.org/wiki/List_of_unsolved_problems

So, first off, let's look at the computer programming problem of P versus NP problem?



Quote by: http://en.wikipedia.org/wiki/P_%3D_NP_problem

The P versus NP problem is a major unsolved problem in computer science. Informally, it asks whether every problem whose solution can be quickly verified by a computer can also be quickly solved by a computer. It was introduced in 1971 by Stephen Cook in his seminal paper "The complexity of theorem proving procedures"[2] and is considered by many to be the most important open problem in the field.[3] It is one of the seven Millennium Prize Problems selected by the Clay Mathematics Institute to carry a US \$1,000,000 prize for the first correct solution.

The informal term quickly used above means the existence of an algorithm for the task that runs in polynomial time. The general class of [questions for](#) which some algorithm can provide an answer in polynomial time is called "class P" or just "P". For some questions, there is no known way to find an answer quickly, but if one is provided with information showing what the answer is, it may be possible to verify the answer quickly. The class of questions for which an answer can be verified in polynomial time is called NP.

To get the computer to verify what the answer is, it needs to have a [computing](#) base. if the computing base is like a calculator, how can it be wrong? but this is not about simple equations, it is how to get a computer to recognize a way of getting the answer that would take us a long time to get.



Quote by: http://en.wikipedia.org/wiki/P_%3D_NP_problem

Consider the subset sum problem, an example of a problem that is easy to verify, but whose answer may be difficult to compute. Given a set of integers, does some nonempty subset of them sum to 0? For instance, does a subset of the set $\{-2, -3, 15, 14, 7, -10\}$ add up to 0? The answer "yes, because $\{-2, -3, -10, 15\}$ add up to zero" can be quickly verified with three additions. However, there is no known algorithm to find such a subset in polynomial time (there is one, however, in exponential time, which consists of 2^{n-1} tries), and indeed such an algorithm can only exist if $P = NP$; hence this problem is in NP (quickly checkable) but not necessarily in P (quickly solvable).

So, we need to find a formula for finding the answer quickly that we know is right. Basically, to find prime numbers, the [equation](#) could be use all numbers into the number, and see if any divide into it. this should be easy to put into a computer. if a number is odd, and it does not divide into another odd number, then it is prime. every number is prime unless it is even or divides into another prime number, so, only multiplications of prime numbers are not prime.

But, this is not about prime numbers, it is about "subset sum problem." so, maybe the best answer is to make more terms for computing, terms that you program into the computer, and expect them to compute with. like for the 2^{n-1} , you could just say that it starts with zero, then adds and subtracts from it?



Quote by: http://en.wikipedia.org/wiki/Hodge_conjecture

The Hodge conjecture is a major unsolved problem in algebraic geometry which relates the algebraic topology of a non-singular complex algebraic variety and the subvarieties of that variety. More specifically, the conjecture says that certain de Rham cohomology classes are algebraic, that is, they are sums of Poincaré duals of the homology classes of subvarieties. It was formulated by the Scottish mathematician William Vallance Douglas Hodge as a result of a work in between 1930 and 1940 to enrich the description of De Rham cohomology to include extra structure which is present in the case of complex algebraic varieties. It received little attention before Hodge presented it in an address during the 1950 International Congress of Mathematicians, held in Cambridge, Massachusetts, U.S. The Hodge conjecture is one of the Clay Mathematics Institute's Millennium Prize Problems, with a prize of \$1,000,000 for whoever can prove or disprove the Hodge conjecture using "some argument".

Let X be a compact complex manifold of complex dimension n . Then X is an orientable smooth manifold of real dimension $2n$, so its cohomology groups lie in degrees zero through $2n$. Assume X is a Kähler manifold, so that there is a decomposition on its cohomology with complex coefficients:

where $H_p, q(X)$ is the subgroup of cohomology classes which are represented by harmonic forms of type (p, q) . That is, these are the cohomology classes represented by differential forms which, in some choice of local coordinates z_1, \dots, z_n , can be written as a harmonic function times \cdot . (See Hodge theory for more details.) Taking wedge products of these harmonic representatives corresponds to the cup product in cohomology, so the cup product is compatible with the Hodge decomposition:

Since X is a compact oriented manifold, X has a fundamental class.

Let Z be a complex submanifold of X of dimension k , and let $i : Z \rightarrow X$ be the inclusion map. Choose a differential form a of type (p, q) . We can integrate a over Z :

To evaluate this integral, choose a point of Z and call it 0. Around 0, we can choose local coordinates z_1, \dots, z_n on X such that Z is just $z_k + 1 = \dots = z_n = 0$. If $p > k$, then a must contain some dz_i where z_i pulls back to zero on Z . The same is true if $q > k$. Consequently, this integral is zero if $(p, q) \neq (k, k)$.

More abstractly, the integral can be written as the cap product of the homology class of Z and the cohomology class represented by a . By Poincaré duality, the homology class of Z is dual to a cohomology class which we will call $[Z]$, and the cap product can be computed by taking the cup product of $[Z]$ and a and capping with the fundamental class of X . Because $[Z]$ is a cohomology class, it has a Hodge decomposition. By the computation we did above, if we cup this class with any class of type $(p, q) \neq (k, k)$, then we get zero. Because $H^{2n}(X, \mathbb{C}) = H^n, n(X)$, we conclude that $[Z]$ must lie in $H^{n-k, n-k}(X, \mathbb{C})$. Loosely speaking, the Hodge conjecture asks:

Which cohomology classes in $H^{k, k}(X)$ come from complex subvarieties Z ?

I find that if C equals $p+q / p \cdot q$, it is a stein manifold. that would make it true, as we are trying to find manifolds in these equations. but, more specifically to the question stated at the end, i would say that $[z]$ equals $n \cdot C$. this would mean, with my basic understanding of mathematics, that if the missing components on the other side of the equals - the former side of the equals sign in the question - then the missing values will have to come up on the other side of the equal side in another form for it to be equal, yes?

Quote by: **Riemann hypothesis**

In mathematics, the Riemann hypothesis, proposed by Bernhard Riemann (1859), is a conjecture that the nontrivial zeros of the Riemann zeta function all have real part $1/2$. The name is also used for some closely related analogues, such as the Riemann hypothesis for curves over finite fields.

The Riemann hypothesis implies results about the distribution of prime numbers. Along with suitable generalizations, it is considered by some mathematicians to be the most important unresolved problem in pure mathematics (Bombieri 2000). The Riemann hypothesis, along with the Goldbach conjecture, is part of Hilbert's eighth problem in David Hilbert's list of 23 unsolved problems; it is also one of the Clay Mathematics Institute Millennium Prize Problems.

The Riemann zeta function $\zeta(s)$ is a function whose argument s may be any complex number other than 1, and whose values are also complex. It has zeros at the negative even integers; that is, $\zeta(s) = 0$ when s is one of $-2, -4, -6, \dots$. These are called its trivial zeros. However, the negative even integers are not the only values for which the zeta function is zero; the other ones are called non-trivial zeros. The Riemann hypothesis is concerned with the locations of these non-trivial zeros, and states that:

The real part of every non-trivial zero of the Riemann zeta function is $1/2$.

Thus the non-trivial zeros should lie on the critical line consisting of the complex numbers $1/2 + it$, where t is a real number and i is the imaginary unit.

I find that if you were to observe that a half or more becomes a new number, then this would not work. If you were to say that a zero is equal to 0.111... up to 0.4, then it would be acceptable, as that does not mean there is a new number - it does not round off to the nearest 'ten,' which would be the next full number for the purposes of flow charts, but, everyone knows that!

 Quote by: http://en.wikipedia.org/wiki/Yang%E2%80%93Mills_existence_and_mass_gap

Yang–Mills Existence and Mass Gap. Prove that for any compact simple gauge group G , a non-trivial quantum Yang–Mills theory exists on \mathbb{R}^4 to the power of four and has a mass gap $\Delta > 0$.

First, anything positive to the power of four results in a number greater than zero. so you could say that if it was a negative number, then it would be false.

 Quote by: http://en.wikipedia.org/wiki/Yang%E2%80%93Mills_existence_and_mass_gap

In this statement, Yang–Mills theory is the (non-Abelian) quantum field theory underlying the Standard Model of particle physics; is Euclidean 4-space; the mass gap Δ is the mass of the least massive particle predicted by the theory. Therefore, the winner must first prove that Yang–Mills theory exists and that it satisfies the standard of rigor that characterizes contemporary mathematical physics, in particular constructive quantum field theory, which is referenced in the papers 45 and 35 cited in the official problem description by Jaffe and Witten. The winner must then prove that the mass of the least massive particle of the force field predicted by the theory is strictly positive. For example, in the case of $G = \text{SU}(3)$ - the strong nuclear interaction - the winner must prove that glueballs have a lower mass bound, and thus cannot be arbitrarily light. Then, you could say that light has very little mass, but they do have mass, as they are free energy. if they were free energy, then they would have no mass.

 Quote by: <http://en.wikipedia.org/wiki/Gluon>

In particle physics, a glueball is a hypothetical composite particle. It consists solely of gluon particles, without valence quarks. Such a state is possible because gluons carry color charge and experience the strong interaction. Glueballs are extremely difficult to identify in particle accelerators, because they mix with ordinary meson states.

Theoretical calculations show that glueballs should exist at energy ranges accessible with current collider technology. However, due to the aforementioned difficulty, they have (as of 2012) so far not been observed and identified with certainty.

Something without quarks does not exist, as without the building blocks for an atom, there is no mass, and these energy values have little meaning. if the gluons had quarks on them, they would actually build up to something, but nothing can build on blocks that are not there. if the gluon exists by itself, then it will bond with quarks before long, so it is silly to try to examine things that exist only for a nano second, isn't it?

Quote by: http://en.wikipedia.org/wiki/Navier%E2%80%93Stokes_existence_and_smoothness

The Navier–Stokes existence and smoothness problem concerns the mathematical properties of solutions to the Navier–Stokes equations, one of the pillars of fluid mechanics (such as with turbulence). These equations describe the motion of a fluid (that is, a liquid or a gas) in space. Solutions to the Navier–Stokes equations are used in many practical applications. However, theoretical understanding of the solutions to these equations is incomplete. In particular, solutions of the Navier–Stokes equations often include turbulence, which remains one of the greatest unsolved problems in physics, despite its immense importance in science and engineering.

Even much more basic properties of the solutions to Navier–Stokes have never been proven. For the three-dimensional system of equations, and given some initial conditions, mathematicians have not yet proved that smooth solutions always exist, or that if they do exist they have bounded kinetic energy. This is called the Navier–Stokes existence and smoothness problem.

Since understanding the Navier–Stokes equations is considered to be the first step to understanding the elusive phenomenon of turbulence, the Clay Mathematics Institute in May 2000 made this problem one of its seven Millennium Prize problems in mathematics. It offered a US\$1,000,000 prize to the first person providing a solution for a specific statement of the problem:[1]

Unfortunately this forum does not support real mathematics formulas. I would say that the volume needs to be thick enough to make the volume of the container or whatever 'part' less than that value in terms of stress exerted and mass of the fluid. if the mass of the container or part is more than the stress or mass of the fluid, then it will hold. or, we could say that the mass per area of the thing needs to exceed the mass of the fluid.

Was apartheid progressive?

I think about it, and i think that it was a step, but was it forwards or backwards?

If in the animal kingdom, people smell and look different, it is usually to divide them. if there are people out there that are different to others, they could all be separated into like minded 'camps.' this will keep people peaceful, and, not mixing with those they do not immediately like, for whatever reasons. could these reasons be from stereotypes, or could they be from actual experience?

If apartheid is such a regressive [ideal](#), then why did it take so long to come up with? I know there used to be slaves, and i know others here might cite some sources of historical apartheid in other nations or cultures, but from me all i know about this is south africa.

No, it is not a joke. if it took so long to get the world, or, one part of the world to get to this idea, then wasn't it a new idea? if the apartheid regime wasn't backed internationally a little then it would have never got off the ground, would it have?

With apartheid, the idea was to get the people of different colors into areas with the same color people. If you look at the world you see a lot of this, it is just not official. if you were to look at favor from parents's or relay culture or wealth, then you will see that it is down to the parents to provide for their child's future through education and family planning. this means that if you [grow](#) up poor, you will probably be poor, poorer or a little richer. if you grew up in a rich family, then you could grow up to be anything in the world, or even poorer than poor. the thing is, the relay from parent to child is evident, isn't it?

So, if you were to say that apartheid is a joke, then you would have to also say that bee or black economic empowerment is good. if you are white, this is bad news for you, but, you will find that the relay is still there with being able for your family to supply you with [connections](#) to jobs that they would like to have, because they are still at the top.

Now, if the parents can open doors for the youth, then there is still white favor. if there is white favor, and there most certainly is, then they need to either admit it and get everyone to join hands and sing songs or forget about it, or whatever people do when it comes to things like this. if of course there needs to be some rectification of this ordeal, what do you propose?

If the apartheid regime was not realistic, what was it? if the grouping together of people of similar color was not because they wanted to have the people not fighting between themselves, then was it to have fun? of course not! if the world was to follow suite, they would find that it is both realistic and beneficial to people working together in the same country.

Why did it help? Well, if you have a black person resettling in the homelands, in a house built for them, they will live far better than in a bush. if you were to have a farm for them to feed themselves, then they are self supporting with no need of outside help. this is like heaven if you ask me, no racism or anything like that.

What about the economy? if you are not selling your goods overseas, you currency dips and imports become more expensive. this fuels the local market, as the people in the country buy the local produce, like one of those farmers from the homelands becomes a option as he is selling food for cheap. then the third world gets up in on the act, as the 'stuff is cheap' and then the poorer african countries buy your goods. this drives the currency back up, but, the local market prospers. look at north korea, there they have communism and they seem to be okay, and, they are self supporting. the advantage to being self supporting is that you can settle your people down with things bought in the same areas. okay, this sounds more like sanctions actually, so maybe what i am saying is that the world should not try to punish other countries with sanctions?

Now, if you have apartheid then you divide the people up by where they stay. this means that anyone found in the other areas must be lost of visiting a friend. they could also be buying drugs, as is recognized by the police services and then they will have a 'motive' of sorts. Then, there is the beauty of no racism inside the areas. the people all will get along with each other. in the work place, anybody may become a doctor or engineer, as long as they have studied. if they have studied, then where did their parents get the money from? with bee only black people will be able to be educated as their parents have all the money. actually a recent study finds that black people in south africa are still the lowest earners, but that is because there are so many unemployed black people. if the apartheid was left to thrive, they would provide for the other people, as it gives commerce a shoulder to stand on - the textiles and other local markets that isolation eludes to.

If the blacks and coloreds and whites all lived in different areas, then there would be more interest in people of other colors. think about it, you go on holiday to other places and get curious about the people there? this means, even though they are different, you are more respectful to them, or does that not ring true with you? if you find a racist in another land, are they still racist? i doubt it!

More one world conscious

Maybe the way we say a the beginning of a word, and have the rest picked up by another person, could lead us to believe that there is a one world conscious? If we were to observe that we all want the same things, like to be loved and to be right, for example, then where does this come from? if it comes from our genetic hard wiring then where did that come from? we cannot evolve this, as we have no need for it, and if there is no need for it, it simply doesn't even conceptualize.

So, where does realizing the new things we could be come from? i would say that it comes from interacting with others, where we rub off on each other, and eventually do something about these feelings. this is also evidence of a one world conscious, as it is evidence that we have a world in our minds and the mind leads us to do things in the future. this means, evidently, that we have a conscious that is connected through interactions on at least a basic scale.