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In addition to each GAMSAT guide, the e-book and preparatory course agrees - if you want to get a high rating under section 1 - you have to constantly practice GAMSAT-style questions. This site allows you to do just that. Helping students prepare for Title 1 since 2012 - this website contains 100 free GAMSAT-style questions. Answers and explanations are posted in the comments. Use the navigation bar above to find what you are looking for. If you are also looking for help with GAMSAT Section 2, then GAMSAT Sample Essays sister site of this. There you can look at an example of essays sent by students along with tutorials and tips to improve your score on GAMSAT Section II. Beyond Complexity: Medium/Hard Time: 4 Minutes 30 Seconds The following poems were written by Dorothy Parker and published in her full anthology of poems. Read both poems and answer follow-up questions. Poem 1: FOR SAD LADY And let her love when she is dead, Write this over her bones: No more she lives to give us bread, which asked her only stones. More... Post 1) Read the questions first - Sometimes it is appropriate to read the questions first, in other cases it is not. Short poems, songs and units that don't require very little reading: The questions are the first. Poems and songs can often be interpreted in different ways and will always require multiple readings. The material is ambiguous, but there are no questions. So let the questions guide your interpretation. Read one question and then look for an answer. Read one more question, look for an answer. Each question frames your interpretation of the ambiguous material and informs you of the meaning you will attribute to it. In the case of units that require the interpretation of diagrams or diagrams, most of the reading is in the questions anyway. Posters too. You can spend a minute reading the text of the poster, only to discover that there is only one question - and he asks about the image! More... Post Look around on forums for advice before planning how you are going to tackle GAMSAT. Use newmediamedicine.com and pagingdr.net. GAMSAT is tough but a good score is achievable. Use the previous experience of others to help you maximize your chances. Start learning early. If you have any decent level of English the essay section will be fine. Don't spend money on preparatory courses, there are many free online resources, and get all the paperwork samples from acer from their website, well worth paying. Use Khan Academy online videos that really helped me through. You have to want it. If you want it bad enough, then research, stress, cost, grind and the time it takes won't matter. I sat GAMSAT 4 times. The only difference was the last time I just wanted him more than anything. I threw everything throughout the summer and just focused on On a side note get the Guru Method book. I know 5 people, myself included, who used these books to prepare for GAMSAT, and they are all now in medicine. Once everyone used them, they got in. I used mine on the 4th time I sat the exam and got more than enough to get anywhere. All 5 people got over 60 too. I know they're expensive, but they're definitely worth it. Grinds in areas you're weak in will definitely help too. I got a grind in chemistry and this is without a doubt me through the science section. I know I'm rabbeted on a bit, but the basic board just want it more than anything. Don't stress! More... Beyond complexity: Average time: 4 minutes 30 seconds Excerpt below was adapted from an article by Clive Cookson and was originally published in the Financial Times, July 2012. Craig Venter, the king of the genome, has been uncharacteristically quiet for several years, as his laboratory has created the world's first synthetic life form, a microbe whose genes were made entirely of inanimate chemicals. Some critics downplayed Venter's achievement in 2010 because he didn't make a new life form. The project was a technical tour de force, demonstrating that scientists can go from reading to gene writing, but it reproduces an existing microbe called Mycoplasma mycoids, using just a few watermarks to distinguish its DNA from natural bacteria. Now his teams are on their way to creating synthetic microbes clearly different from anything else in nature. We have a design competition to come up with a genome developed entirely in the computer, says Venter. Three different versions of the genome are being built now, and we hope to find out by the end of the summer whether any of these designs will work as a living cell. The designs all attempt to find a minimal gene, the least DNA with the smallest genes capable of supporting a freely living organism. The smallest microbial genome in nature belongs to the genitals of Mycoplasma, with 525 genes encoded in 580,000 chemical letters of DNA. The question is how much DNA is really important to life and how much unnecessary clutter is the result of Darwin's undirected evolution. More... Message This type of logical reasoning is tested on GAMSAT every year in one form or another. It will not always be limited to section 1, and often appears in section 3 - biological and physical sciences. The most common topics on the basis of which there are questions based on clarifying logic are: Section I: Argumentative Passages and Data Analysis Units Section III: Hormones, Genetics, Electricity and The Physics Issues Related to The Scheme. For some examples, see: Acer Practice Paper 1: Section III, Block 20 and, to a certain extent, Unit 28. Acer Practice Document 2: Section 1, Issues 22 - 26 Practice Paper Alpha: Group: 8 Paper zappa: Group: 5 (if you are you 1-2 months of GAMSAT seating you should be getting ready to try these practical tools in rest conditions. The practice of Alpha Documents and zappa are both available for download here) What is the logic proposal of projecting logic is to determine the veracity of statements or suggestions. Sentences considered through the prism of proposite logic are always considered to be true or false. Statements are most often marked with letters such as p, q or c. A statement for which the truth/lie has not yet been established may be marked with letters X, Y, or Y. The statement may be simple or composite. An example of a simple statement is: My dog's name is Glen. The composite statement is a series of simple statements associated with aptly named connective. An example of a compound statement: My dog is named Glen and he is a border collie. More... To get an even more free MC, make sure you sign up for our GAMSAT Free trial, which includes 50 free MC's from our smart mc bank, as well as a host of other free resources. Access: 50 free MC's week after week's Guide to Studying the Full Session 3 Theme List Recorded Webinars Our Intelligent GAMSAT ® MC' Bank uses cutting edge web education technology in tracking performance and topic orientation. 4000 MC is classified at 43 subtops - our advanced MC' system not only tracks your performance in each subtopia, but also allows you to create MC sets based on the floods of your choice - meaning you can focus on what you need. Alternatively, you can ask complexity questions, allowing you to adapt the MC's to your own ability. Fully developed solutions are provided for all MC. We are the only gamSAT provider ® Preparation with our own online system - Unlike other providers who simply buy the 3rd side of the system, we have gone into trouble creating our online system to allow you to track your performance, quickly identify your shortcomings and point you to the most relevant materials and even the help of a tutor. Our online algorithmic resources are designed to provide you with targeted experience and turn learning into science. In addition, since it is a patented system, we are able to continuously update the information according to student feedback to ensure that students get the best learning experience possible. Our recently updated online learning management systems mean that we are the only gamSAT provider ® Preparation Provider with mobile experience - now you can use our smart MC bank when and where your phone is going. Increased carbon dioxide emissions into the atmosphere reduces the pH of ocean water due to chemical equilibrium carbon dioxide (CO_2) and carbon acid (H_2CO_3), which can then contribute protons to the ocean: CO_2 and $H_2 \leftrightarrow H_2CO_3$ $H_2CO_3 \leftrightarrow H^- HCO_3^- HCO_3^- \leftrightarrow H^- CO_3^{2-}$ Relative abundance of the above species at this pH is represented at the Bjerrum site. 1. In 1751, the ocean's pH was 8.25, but it is expected that by 2100 H in the ocean will increase by 2.5 times. Which of the following indicates the expected pH of the ocean in 2100? (a) 10.75 b) 7.85 g) 7.25 d) 5.75 2. The original H in 1751 was 5.62 and 10^{-9} M, and Ca (OH) 2 is a strong base that is expected to be completely divided. How much Ca (OH) 2 (1.0 M) will it take to return a 4 l water sample from 2100 years back to the acidity of 1751? (a) 11.2 nanoliters (b) 17.0 nanoliters c) 28.1 nanoliters (d) 56.2 nanoliters 3. Oceanic species such as corals and plankton have calcium carbonate ($CaCO_3$) skeletal structures that require satiety of CO_3^{2-} levels in ocean waters. What impact will an increase in CO2 emissions have on these species? (a) Dissolving their skeletons b) The formation of carbonate units on their skeletons in) a thriving environment for skeletal formation (d) No obvious effect of GAMSAT ® Practice question Answers 1. B is correct. 260nm is the answer as it is in the range of light most heavily absorbed by NAD, which helps to measure it using spectrophotometer 2. C is correct. At 340nm, there is the greatest margin between standard moly absorption of NAD and NADH, and this would be the most appropriate time to measure the two comparatively. 3. B is correct. The stem states that a healthy cell has a rareox state of about 700. This high ratio makes oxidative reactions favorable and thus allows oxidative phosphorylation, or aerobic ATP formation. It can be concluded that the cell overworked meta-leasing alcohol is less healthy, and therefore the ratio will be less than 700. Enzymes used to metabolize ethanol (ADH and ALDH2) reduce NAD and NADH, and so the cell ratio of NAD/NADH redox is reduced as a result of ethanol metabolism. 1. B is correct. Students should be familiar with pH is a logarithic scale with a change in 1 pH unit corresponding to H change factor 10. Thus, for acidification with a change in the H factor by 2.5 pH, it is expected to decrease, but by less than 1 pH unit. The only answer that meets this criterion is B. 2. B is correct. Calculate the difference in the concentration of protons, determining the concentration in 2100 and taking away the initial concentration. In 1751: H 5.62×10^{-9} M (mole L $^{-1}$) Multiply by 2.5, to get 2100 levels: H 14.1×10^{-9} ml L $^{-1}$ Difference in H (2100 levels - 1751 levels) - 8.48×10^{-9} l $^{-1}$ Determine the number of H, which will be neutralized in sample 4 L (multiply the difference by 4 liters): 4 L sample - 33.9×10^{-9} maul to neutralize Each Ca (OH) 2 provides two hydroxide, this number Ca (OH) 2 : n(Ca(OH) 2) - 17.0×10^{-9} mol Concentration 1.0 M (mol L $^{-1}$), so the answer is 17.0 nanolitres (17.0 and 10^{-9} l). 3. And is correct. From the additional carbon dioxide added to the oceans, some remain as dissolved carbon dioxide, while the rest contribute to the creation of additional carbon dioxide and additional bicarbonate, as in equilibria. It also increases the concentration of hydrogen ions, and a percentage increase in hydrogen more than a percentage increase in bicarbonate, creating an imbalance in the reaction of HCO_3 and $\leftrightarrow CO_3^{2-}$. To maintain the chemical equilibrium, some of the carbonate ions are already in the ocean combined with some of the hydrogen ions to make further bicarbonate. Thus, the concentration of carbonate ions in the ocean decreases, creating an imbalance in the reaction of Ca 2' $CO_3^{2-} \leftrightarrow CaCO_3$, and making the dissolution of formed structures of $CaCO_3$ more likely. In other words, the concentration of CO32 drops, so that the ocean is no longer saturated and CO_3^{2-} dissolves from corals. This can be seen on the Bjerrum section - as the pH drops, the CO concentration is 3 2-drops too. 1. D is correct. Using the PPF/A formula and bearing in mind that the radius of Piston A is 5 cm, remember that Pa (Pascal) is the equivalent of N/m 2 2. D is correct. On a hot day, the density of water increases. Using the formula P and X g X H it is clear that if the density (I) increases, the pressure will increase. However, this increase in pressure applies to both pistons. Although this may increase the force applied to water in Piston A, it increases the force applied to Piston B by the same proportion. In other words, the balance of power between the pistons remains the same, so the efficiency of braking remains the same. Course Key Features Description of GradReady GAMSAT ® Online Courses Online (Basics) 4000 Intelligent MC' Bank 1200 Page Tutorial 8 Online Practice Exams Designed for Students Who Fail to Make Our Attendance Classes, this course gives you the essentials to succeed. 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