

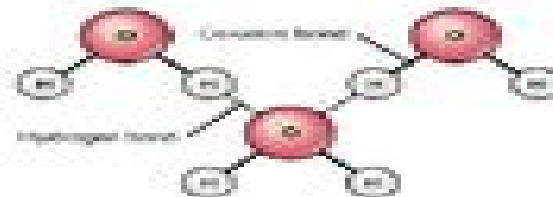
Unit 1 study guide

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Class	Unit 1 : Chemistry of Life
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Topic 1.1 : Structure of Water and Hydrogen Bonding

1. Structure /Polarity

- 2 elements : Oxygen and Hydrogen (1:2 ratio)
- Oxygen is more electronegative than hydrogen , resulting in an unequal sharing of electrons between oxygen and hydrogen. This is called Polarity, where there are differences in atoms electronegativity , a water molecule has polarity
- The bond is a covalent bond between the two elements (they share electrons)
- The bond between other water molecules are hydrogen bond (a weak bond between the negative and positive regions of two separate molecules).



2. Properties of water

LIVING THINGS DEPEND ON WATER'S PROPERTIES

- When two of the same molecules form hydrogen bonds with each other this is called cohesion (water and water) .
- When two different molecules form hydrogen bonds with each other this is called adhesion (amino acid and water)

Apt 1study Guide

Benjamin Muschko



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Certified Kubernetes Administrator (CKA) Study Guide Benjamin Muschko, 2022-06-09 The ability to administer and monitor a Kubernetes cluster is in high demand today To meet this need the Cloud Native Computing Foundation developed a certification exam to establish an administrator's credibility and value in the job market to confidently work in a Kubernetes environment The Certified Kubernetes Administrator CKA certification exam is different from the typical multiple choice format of other professional certifications Instead the CKA is a performance based exam that requires deep knowledge of the tasks under immense time pressure This study guide walks you through all the topics covered to fully prepare you for the exam Author Benjamin Muschko also shares his personal experience with preparing for all aspects of the exam Learn when and how to apply Kubernetes concepts to administer and troubleshoot a production grade cluster Understand the objectives abilities and tips and tricks needed to pass the CKA exam Explore the ins and outs of the kubectl command line tool Demonstrate competency to perform the responsibilities of a Kubernetes administrator Solve real world Kubernetes problems in a hands on command line environment Effectively navigate and solve questions during the CKA exam

Rattiner's Review for the CFP(R) Certification Examination, Fast Track, Study Guide Jeffrey H.

Rattiner, 2009-04-27 The proven CFP Study Guide that delivers just what you need to succeed A quick study guide for candidates preparing to take the CFP Certification Examination Rattiner's Review for the CFP Certification Examination distills the bare bones essentials you need to know to pass this challenging exam all in a logical and easy to absorb manner This indispensable study tool for students who have already been through traditional CFP educational programming and just need a little extra help pulling it all together provides a no nonsense approach to studying for some of the most important disciplines of financial planning including PFP insurance employee benefit investments income tax retirement and estate planning Each discipline contains short and concise statements emphasizing key points through mnemonic devices study tips and other established test taking methods that provide helpful hints Rattiner's Review for the CFP Certification Examination Third Edition has been thoroughly updated to include Reviews from recent CFP Exam students who compare the CFP Board curriculum to this Third Edition ensuring that all topics are covered adequately New easy to follow flowcharts at the beginning of each chapter highlight the macro level perspective of each subject discipline Basic calculator keystrokes for investment math retirement life and education needs analysis and other important calculations New multiple choice questions as well as new charts and tables for quick memorizations New acronyms to help put things into a simplified perspective and help students tie back to the big picture flowchart Perfect as a quick reference guide to complement all CFP texts and self study materials it also serves as an important one stop resource for financial services professionals who want information in a hurry Stay organized on track and focused with Rattiner's Review for the CFP Certification Examination Third Edition **Digital SAT Study Guide Premium, 2024: 4 Practice Tests + Comprehensive Review + Online**

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