

Physical Science – 2nd Semester – Final Exam Study Guide – (2012–2013)

1. Physical Science Basics

- What tool(s) would you want to use to find the:
 - Mass of an object? triple beam balance Basic SI Unit? kg
 - Volume of an object? ruler or water displacement method Basic SI Unit? cm³ or ml
 - Length of an object? Ruler Basic SI Unit? meter
 - Density of an object? graduated cylinder Basic SI Unit? ml
- What is the formula for calculating density? mass/volume
 - What is the density of a cube that is 25 g and has a volume of 3 cm³? 8g/cm³
 - Compare the density of solid H₂O to liquid H₂O, and explain what observable effect this has.
solid H₂O less dense than liquid H₂O

2. Chemistry Basics

- Element (def.) substance made up of one kind of atom
- Atom (def.) basic building block of matter
- Compound (def.) a molecule that contains atoms or molecules of two or more different elements
- Molecule (def.) a combination of two or more of the same or different atoms that are bonded together

3. Model of the Atomic Evolution of the Atomic Theory

Atoms are so small that many scientists throughout history have created models to describe them.

Why have atomic theories changed over time? Better technology came around.

Scientist	Year	Major Discovery/ Contribution	Name of atomic model
John Dalton	1808	Each element is made up of small, indivisible particles called atoms. Different elements have atoms of different masses.	Billiard Ball Model
J.J. Thomson	1897	Negatively charged electron	Plum Pudding Model
Niels Bohr	1913	Electrons move <u>fixed orbits</u> around the atom's nucleus in specific layers, or <u>electron shells</u> . Atoms absorb or give off energy when the electrons move from one shell (<u>energy level</u>) to another.	Bohr Model
Ernest Rutherford	1909	1909 /Based on idea that positive reflects positive/ atom mostly empty space; electrons orbit randomly around positively charged nucleus	Planetary Model

4. Periodic Table

- The current periodic table is arranged by increasing atomic number.
- Reading the Periodic Table
 - An element's properties can be predicted from its location in the periodic table.
 - The atomic number represents the number of protons.
 - The atomic mass represents the number of protons and neutrons.

Physical Science Final Exam Study Guide Reviews

Pasquale De Marco



Physical Science Final Exam Study Guide Reviews:

X-kit Exam 2004 Physical Science ,2005 **The Chemical News and Journal of Physical Science** ,1900

Chemical News and Journal of Physical Science ,1877 **Master the GED: The Science Test**

Peterson's,2012-06-29 The GED Science Test is designed to measure a variety of abilities within the context of life science biology earth science geology and oceanography space science astronomy and physical science chemistry and physics and Peterson s Master the GED The Science Test is your ultimate prep guide for this After giving you detailed information about each question type and format you will encounter and presenting you with test taking strategies this eBook presents you with a review chapter that covers all the subject areas mentioned here Numerous practice questions with detailed answer explanations will further help you review and prepare *Air University Quarterly Review* ,1969 *SuperPASS Nursing School Entrance Exams* Pasquale De Marco, Are you looking for the ultimate guide to help you prepare for nursing school entrance exams Look no further than SuperPASS Nursing School Entrance Exams This comprehensive book is packed with everything you need to know about these exams from the types of exams and the content they cover to the registration and scheduling process With SuperPASS Nursing School Entrance Exams you ll get Two full length practice exams with detailed answer explanations and personalized feedback Targeted review sections for each subject area covering the most frequently tested material Helpful tips and strategies for answering different types of questions A comprehensive overview of the nursing school application process including choosing the right school writing a strong personal statement and preparing for interviews SuperPASS Nursing School Entrance Exams is the ultimate resource for nursing school hopefuls It will help you Master the material and boost your confidence Achieve your goal of becoming a nurse Make a real difference in the lives of others Don t wait any longer Start preparing for your nursing school entrance exams today with SuperPASS Nursing School Entrance Exams This book is perfect for Students preparing for nursing school entrance exams Nursing school hopefuls who want to improve their chances of admission Anyone interested in learning more about the nursing school application process With its comprehensive content practice exams and targeted review sections SuperPASS Nursing School Entrance Exams is the ultimate resource for nursing school hopefuls It will help you achieve your goal of becoming a nurse and make a real difference in the lives of others If you like this book write a review *Best Practice for Youth Sport* Robin S. Vealey,Melissa A. Chase,2016-01-08 Although the physical and psychological benefits of youth participating in sport are evident the increasing professionalization and specialization of youth sport primarily by coaches and parents are changing the culture of youth sport and causing it to erode the ideal mantra It s all about the kids In Best Practice for Youth Sport readers will gain an appreciation of an array of issues regarding youth sport This research based text is presented in a practical manner with examples from current events that foster readers interest and class discussion The content is based on the principle of developmentally appropriate practice DAP which can be defined as engaging in decisions behaviors and policies that meet

the physical psychological and social needs of children and youth based on their ages and maturational levels This groundbreaking resource covers a breadth of topics including bone development burnout gender and racial stereotypes injuries motor behavior and parental pressures Written by Robin S Vealey and Melissa A Chase the 16 chapters of Best Practice for Youth Sport are divided into four parts Part I Youth Sport Basics provides readers with the fundamental knowledge and background related to the history evolution and organization of youth sport Part II Maturation and Readiness for Youth Sport Participants is the core of understanding how and why youth sport is different from adult sport This part details why it is important to know when youth are ready to learn and compete Part III Intensity of Participation in Youth Sport examines the appropriateness of physical and psychological intensity at various developmental stages and the potential ramifications of overtraining overspecialization overstress and overuse The text concludes with part IV Social Considerations in Youth Sport which examines how youth sport coaches and parents can help create a supportive social environment so that children can maximize the enjoyment and benefits from youth sport In addition to 14 appendixes activities glossaries study questions and other resources that appear in Best Practice for Youth Sport the textbook is enhanced with instructor ancillaries a test package image bank and instructor guide that features a syllabus additional study questions and learning activities tips on teaching difficult concepts and additional readings and resources These specialized resources ensure that instructors will be ready for each class session with engaging materials Ancillaries are free to course adopters and available at www.HumanKinetics.com BestPracticeForYouthSport Best Practice for Youth Sport provides readers with knowledge of sport science concerning youth sport and engages them through the use of anecdotes activities case studies and practical strategies Armed with the knowledge from this text students coaches parents administrators and others will be able to become active agents of social change in structuring and enhancing youth sport programs to meet the unique developmental needs of children making the programs athlete centered rather than adult centered so that they truly are all about the kids

CLEP® General Exams Book + Online, 9th Ed. Stu Schwartz, Laurie Callihan, Scott Dittloff, 2018-01-30 CLEP General Exams Book Online Practice Tests Helps Students Get the College Credits They Deserve 9th Edition In 2017 CLEP marks 50 years as the most widely trusted credit by exam program in the U S CLEP exams help students fast track their college degree saving them time and possibly thousands in tuition costs Perfect for adults returning to college military service members high school or home schooled students REA's CLEP test preps provide students with the tools they need to pass their CLEP exams and get the college credits they deserve REA's new 9th edition of the CLEP General Exams bundles complete test prep for the four CLEP general exams College Mathematics Humanities Natural Sciences Social Sciences History that satisfy typical first year general education requirements These are the courses for which most community and military friendly colleges will award CLEP credit About REA's Prep Complete test prep for the 4 CLEP general exams College Mathematics Humanities Natural Sciences and Social Sciences History Great consumer value only 34.95 4 comprehensive review sections 1 for each

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