

Name: _____

Atomic Structure & the Periodic Table Study Guide

Atomic Structure

Particle	Charge	Where are they found?
Proton	Positive	Nucleus
Neutron	Neutral/ no charge	Nucleus
Electron	negative	Electron cloud/energy levels outside nucleus

1. What is the rule for writing chemical symbols like Na or Ca? **Capitalize the first letter; lower case second letter**
2. What are the vertical columns on the periodic table called? Groups or families
 - a. How many of these are on the periodic table? 18
 - b. Why are the elements in these columns? They have the same chemical properties (& same # of valence electrons)
 - c. Elements in the same group have the same number of valence electrons.
3. What are the horizontal rows on the periodic table called? periods
 - a. How many of these are on the periodic table? 7
 - b. Elements in these rows have the same number of energy (*electron shells*) levels.
4. What are valence electrons? **Electrons in the outer energy level**
5. How many electrons are in each energy level?
1st energy level 2 2nd energy level 8 3rd energy level 8
6. The atomic number is equal to the # of protons and also # of electrons
7. The atomic mass is equal to the # protons + # of neutrons
8. How do you find the number of neutrons? Atomic mass – atomic number
9. We view the order of the periodic table today according to the atomic number

Periodic Table Printable Study Guide

Robert R. Redfield



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Standards-based Activities and Assessments for the Differentiated Classroom Carolyn Coil,2004 How to plan and implement differentiation using practical strategies teacher friendly directions and time saving techniques

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The Inclusion Toolkit Sarah Herbert, 2011-08-10 With downloadable electronic resources Are you looking for ways to make your classroom more inclusive to children with learning difficulties The practical strategies suggested in this book are supported by current research into effective teaching and learning and the author shows you how inclusion friendly teaching could look in your classroom The book is aimed at the teacher who wishes to respond to the diversity of learning needs of children that are placed within their mainstream classroom without teaching each child differently The advice given for teaching all learners aged 7 to 14 will help you ensure that you are providing well for all your learners that only a very few will need substantially different support Rather than focussing on the differences between learners the common strategies that will enhance the learning of all based on the common concerns of class teachers working with pupils who have Special Educational Needs are identified Structured around the three areas of memory motivation and communication which are key to addressing inclusion friendly teaching the book covers the memory friendly classroom the motivation friendly classroom the communication friendly classroom Ideal for all classroom teachers working with children aged 7 to 14 and with plenty of supporting material available to download from the SAGE website which works in tandem with each chapter of the book this toolkit will make inclusive teaching a reality

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fingerprint scanner new camera features and an entirely new operating system This guide will introduce you to these new features and show you how to use them This book gives task based instructions without using any technical jargon Learning which buttons perform which functions is useless unless you know how it will help you in your everyday use of the iPhone Therefore this guide will teach you how to perform the most common tasks Instead of presenting arbitrary instructions in lengthy paragraphs this book gives unambiguous simple step by step procedures Additionally detailed screenshots help you to confirm that you are on the right track This Survival Guide also goes above and beyond to explain Secret Tips and Tricks to help you accomplish your day to day tasks much faster If you get stuck just refer to the Troubleshooting section to figure out and solve the problem This iPhone guide includes Using Siri Using the Notification Center Searching a Web Page Viewing an Article in Reader Mode Selecting a Pre Loaded Equalization Setting Taking a Picture from the Lock Screen Creating and Editing Photo Albums Editing Photos Inserting Emoticons Customizing Keyboard Shortcuts Customizing Custom Vibrations Using LED Flash Alerts Formatting Text in the Email Application This guide also includes Getting Started Making Calls FaceTime Multitasking Button Layout Navigating the Screens Using the Speakerphone During a Voice Call Staring a Conference Call Managing Your Contacts Text Messaging Adding Texted Phone Numbers to Contacts Copying Cutting and Pasting Text Sending Picture and Video Messages Using the Safari Web Browser Adding Bookmarks to the Home Screen Managing Photos and Videos Using the Email Application Viewing All Mail in One Inbox Managing Applications Setting Up an iTunes Account Sending an Application as a Gift Using iTunes to Download Applications Reading User Reviews Deleting an Application Reading an eBook on the iPhone How to download thousands of free eBooks Adjusting the Settings Turning On Voiceover Turning Vibration On and Off Setting Alert Sounds Changing the Wallpaper Setting a Passcode Lock Changing Keyboard Settings Changing Photo Settings Turning Bluetooth On and Off Turning Wi Fi On and Off Turning Airplane Mode On and Off Tips and Tricks Using the Voice Control Feature Maximizing Battery Life Taking a Screenshot Scrolling to the Top of a Screen Saving Images While Browsing the Internet Deleting Recently Typed Characters Resetting Your iPhone Troubleshooting List of iPhone friendly websites that save you time typing in long URL addresses **Pages**

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 Cassidy, Gerald Holton, F. James Rutherford, 2002-09-10 Understanding Physics provides a thorough grounding in
 contemporary physics while placing physics into its social and historical context Based in large part on the highly respected
 Project Physics Course developed by two of the authors it also integrates the results of recent pedagogical research The text
 thus teaches about the basic phenomena in the physical world and the concepts developed to explain them shows that
 science is a rational human endeavor with a long and continuing tradition involving many different cultures and people
 develops facility in critical thinking reasoned argumentation evaluation of evidence mathematical modeling and ethical
 values The treatment emphasizes not only what we know but also how we know it why we believe it and what effects that
 knowledge has Why do we believe the Earth and planets revolve around the Sun Why do we believe that matter is made of
 atoms How do relativity theory and quantum mechanics alter our conception of Nature and in what ways do they leave the
 classical concepts unchanged What impact does the knowledge of finite energy resources have on our society How have
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 How does the evidence for non scientific ideas such as UFOs ESP and the like differ from the evidence for accepted scientific
 results **Chemistry** Rob Ritchie, 2008-07 Divided into seven manageable day sections this timed revision programme
 covers essential GCSE topics in double page spreads These spreads indicate how much time should be spent on each section

and combine clear and concise explanations flow charts spidergrams and illustrations with progress check questions and answers

The Extraordinary Chemistry of Ordinary Things, Study Guide Carl H. Snyder, David F. Dever, 1995-01-19
Examines the chemistry of the substances of our everyday world Our daily lives are immersed in chemicals an effective way to teach and learn chemistry is by examining the goods and substances that we use in our daily lives and that affect us and our environment

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gedung adalah suatu konstruksi bangunan buatan manusia yang terbuat dari beberapa material menjadi satu kesatuan untuk dijadikan tempat beraktivitas perhitungan analisis pada gedung bertingkat sangat penting agar konstruksi gedung memiliki kekuatan yang kokoh dan sesuai dengan umur rencana

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daftar biaya komponen kegiatan vol pondasi $0.054 \text{ m}^2 \times 112.57 \text{ m}$ 6.08 m³ pembangunan bangunan gedung volume aanstamping volume lantai kerja klasifikasi tidak sederhana luas aanstamping 0.8×0.15 luas dalam ribuan rupiah biaya biaya biaya total lantai kerja 0.8×0.05 konstruk perencan manajemen

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dewasa ini pertumbuhan penduduk semakin pesat disusul dengan semakin banyaknya pembangunan gedung gedung hal ini mengakibatkan terjadinya penyempitan lahan

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perlu diingat ya bahwa cara menghitung kekuatan lantai beton ini hanya sekedar rule of thumb alias gambaran kasarnya saja 1 40 x l l adalah lebar bentang misalnya bangunan 4 x 4 m maka 1 40 x 4 0 1 atau 10 cm rumus balok 1 12 x l jadi balok yang mesti dipersiapkan untuk menahan beban adalah 1 12 x l 0 33 atau 33 cm terkadang

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