

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

Study Guide For The Periodic Table

Speedy Publishing LLC

A red circular graphic with a gradient, appearing as a partial circle or a stylized arrow pointing to the right, located to the right of the publisher's name.

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Periodic Table (Advanced) Speedy Publishing,2014-08-01 An advanced periodic table of elements displays not only the elements but the ions that form each element A pamphlet with such a visual aid would greatly benefit chemistry students Any student taking chemistry will need to learn the elements A pamphlet would be concise and break the information down simply making it easier to understand and remember It allows students to simply focus on the main point rather than taking in information that they may or may not need **Safety Professional's Reference and Study Guide, Third Edition** W.

David Yates,2020-03-19 This new edition serves both as a reference guide for the experienced professional and as a preparation source for those desiring certifications It s an invaluable resource and a must have addition to every safety professional s library Safety Professional s Reference and Study Guide Third Edition is written to serve as a useful reference tool for the experienced practicing safety professional as well as a study guide for university students and those preparing for the Certified Safety Professional examination It addresses major topics of the safety and health profession and includes the latest version of the Board of Certified Safety Professional BCSP reference sheet a directory of resources and associations as well as state and federal agency contact information Additionally this new edition offers new chapters and resources that will delight every reader This book aids the prospective examination candidate and the practicing safety professional by showing them step by step how to solve each question formula listed on the BCSP examination and provide examples on how and when to utilize them **Periodic Table (Basic) (Speedy Study Guides)** Speedy Publishing LLC,2014-07-15 The average

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Margaret G. Kimble,1994 **Periodic Table Basic** Mark Jackson,2018 Periodic Table Basic (Speedy Study Guide)

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