

Study Guide

CHAPTER 6

Section 1: Atoms, Elements, and Compounds

In your textbook, read about the structure of atoms.

Label the diagram of an atom. Use these choices:

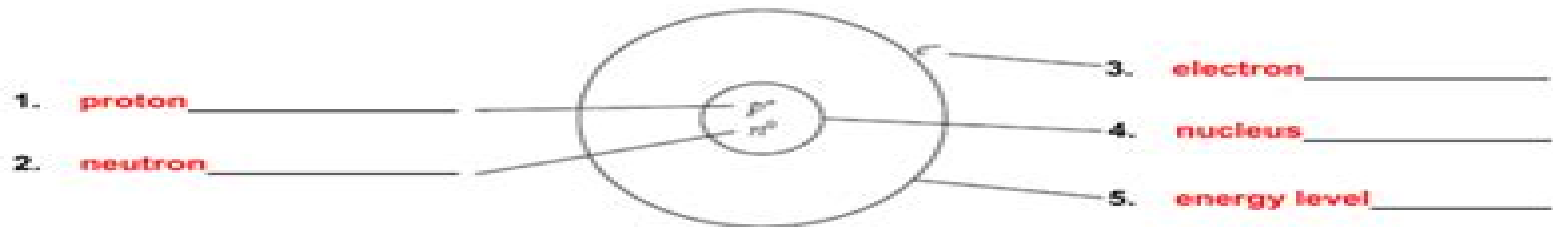
electron

energy level

neutron

nucleus

proton



In your textbook, read about elements, compounds, and chemical bonds.

If the statement is true, write true. If the statement is false, replace the italicized term or phrase to make it true.

6. On the periodic table, each element has a unique name and *formula*.

Symbol

7. The periodic table is organized into horizontal rows, called periods, and vertical columns, called *elements*.

group

8. *Water* is composed of hydrogen and oxygen.

true

9. Atoms of the same element that have different numbers of neutrons are called *isotopes*.

true

10. The *period* of an element is the amount of time it takes for half of a radioactive isotope to decay.

Half-life

11. A *combination* is a substance formed when two or more different elements combine.

compound

12. The two main types of chemical bonds are *covalent bonds* and *van der Waals forces*.

Covalent bond and ionic bond

Chemistry Chapter 6 Study Guide Answers

Jill Meryl Levy



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Hazmat Chemistry Study Guide (Second Edition) Jill Meryl Levy, 2011 *Study Guide and Solutions Manual for McMurry's Organic Chemistry, Fifth Edition* Susan McMurry, 2000 Provides answers and explanations to all in text and end of chapter exercises Also includes summaries of name reactions functional group synthesis and reactions lists of reagents and abbreviations and articles on topics ranging from infrared absorption frequencies to the Nobel Prize winners in Chemistry This edition now includes all new artwork expanded in text problems summary quizzes approximately every three chapters more detailed explanations in solutions and chapter outlines *General Chemistry Study Guide Sixth Edition* Darrell D. Ebbing, 1999 **Study Guide, Answer Book to Accompany Organic Chemistry** Alan S. Wingrove, Robert L. Caret, 1981

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