


**Chapter  
Review**

# Properties of Atoms and the Periodic Table

## Part A. Vocabulary Review

Directions: On the space at the left, write the term that correctly completes each statement. Use each term once.

<del>metals</del>	<del>isotopes</del>	<del>average atomic mass</del>	<del>electron cloud</del>
<del>groups</del>	<del>metalloids</del>	<del>transition elements</del>	<del>atomic number</del>
<del>electrons</del>	<del>nucleus</del>	<del>mass number</del>	<del>periods</del>
<del>chemical symbol</del>	<del>quarks</del>	<del>periodic table</del>	

Chemical Symbol

1. A capital letter or a combination of a capital letter and a small letter that is used to represent an element is called a(n) \_\_\_\_\_.

Periods

2. The horizontal rows of elements are called \_\_\_\_\_.

Avg. Atomic Mass

3. An average of the masses of all the isotopes that occur in nature for an element is the \_\_\_\_\_.

Groups

4. Vertical columns of elements are called \_\_\_\_\_.

Transition Elements

5. Elements in the middle of the periodic table, groups 4 through 7, are called the \_\_\_\_\_.

Atomic #

6. The number of protons in an atom is the \_\_\_\_\_.

Quarks

7. Protons and neutrons can be subdivided into \_\_\_\_\_ by colliding them.

Nucleus

8. The center of an atom where protons and neutrons are located is the \_\_\_\_\_.

Mass #

9. A total count of the neutrons and protons in an atom is the \_\_\_\_\_.

Isotopes

10. Atoms of the same element but with different numbers of neutrons are \_\_\_\_\_.

Metals

11. Elements that are found on the left side of the periodic table are \_\_\_\_\_.

Metalloids

12. Elements that have some properties of both metals and nonmetals are \_\_\_\_\_.

Electrons

13. The particles that move about the nucleus and have a negative charge are \_\_\_\_\_.

Electron cloud

14. The region around the nucleus occupied by electrons is a(n) \_\_\_\_\_.

Periodic Table

15. A chart that shows the classification of elements is called the \_\_\_\_\_.

