



## 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.

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

- \_\_\_\_\_ 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) \_\_\_\_\_.
- \_\_\_\_\_ 2. The horizontal rows of elements are called \_\_\_\_\_.
- \_\_\_\_\_ 3. An average of the masses of all the isotopes that occur in nature for an element is the \_\_\_\_\_.
- \_\_\_\_\_ 4. Vertical columns of elements are called \_\_\_\_\_.
- \_\_\_\_\_ 5. Elements in the middle of the periodic table, groups 4 through 7, are called the \_\_\_\_\_.
- \_\_\_\_\_ 6. The number of protons in an atom is the \_\_\_\_\_.
- \_\_\_\_\_ 7. Protons and neutrons can be subdivided into \_\_\_\_\_ by colliding them.
- \_\_\_\_\_ 8. The center of an atom where protons and neutrons are located is the \_\_\_\_\_.
- \_\_\_\_\_ 9. A total count of the neutrons and protons in an atom is the \_\_\_\_\_.
- \_\_\_\_\_ 10. Atoms of the same element but with different numbers of neutrons are \_\_\_\_\_.
- \_\_\_\_\_ 11. Elements that are found on the left side of the periodic table are \_\_\_\_\_.
- \_\_\_\_\_ 12. Elements that have some properties of both metals and nonmetals are \_\_\_\_\_.
- \_\_\_\_\_ 13. The particles that move about the nucleus and have a negative charge are \_\_\_\_\_.
- \_\_\_\_\_ 14. The region around the nucleus occupied by electrons is a(n) \_\_\_\_\_.
- \_\_\_\_\_ 15. A chart that shows the classification of elements is called the \_\_\_\_\_.

