

Note-taking Worksheet (continued)

B. Periodic Table—Chart that organizes and displays information about the _____

1. **Atomic _____**—the top number in the element's periodic table block

a. Tells the number of _____ in the nucleus of each atom of that element

b. The number of _____ remains constant in every atom of an element.

2. _____—atoms of the same element that have different numbers of _____

3. **Mass number**—number of _____ plus number of _____

4. **Atomic _____**—the number found below the element symbol

a. The weighted average _____ of an atom of an element

b. The unit used for atomic mass is the _____, which is given the symbol _____

C. Elements fall into three general groups characterized by similar _____

1. _____—majority of elements

a. _____ luster

b. Good conductors of _____ and _____

c. Most are _____ at room temperature.

d. _____, or can be shaped

e. _____, or can be drawn into wires without breaking

2. _____—found on the right side of the periodic table

a. _____ in appearance

b. _____ conductors of heat and electricity

c. Many are _____ at room temperature.

d. _____, cannot change shape without breaking

e. 97 percent of the _____ is made up of nonmetals.

3. _____—found between the metals and nonmetals on the periodic table

a. Have characteristics of both _____ and _____

b. Do not _____ heat and electricity as well as metals

c. All are _____ at room temperature.