

**General Chemistry**  
**Mr. MacGillivray**  
**Quiz #9:**  
**Introduction to the Periodic Table**

1) The horizontal ( $\leftrightarrow$ ) rows of the periodic table are called periods.

2) The vertical ( $\updownarrow$ ) columns of the periodic table are called

groups (or families)

3) Na is an example of a(n):

- a) Noble gas
- b) Halogen
- c) Alkaline earth metal
- d) Alkali metal
- e) Transition metal

4) He is an example of a(n):

- a) Noble gas
- b) Halogen
- c) Alkaline earth metal
- d) Alkali metal
- e) Transition metal

5) Fe is an example of a(n):

- a) Noble gas
- b) Halogen
- c) Alkaline earth metal
- d) Alkali metal
- e) Transition metal

6) Ba is an example of a(n):

- a) Noble gas
- b) Halogen
- c) Alkaline earth metal
- d) Alkali metal
- e) Transition metal

7) Br is an example of a(n):

- a) Noble gas
- b) Halogen
- c) Alkaline earth metal
- d) Alkali metal
- e) Transition metal

8) Metals tend to lose electrons when they undergo chemical reactions.

- a) lose
- b) gain

9) When fluorine (F) atom forms an ion, it will have a charge of (give a number and a + or - sign):

F<sup>-</sup> (-1)

10) Give the formula for the compound that contains the following two ions:

Ca<sup>2+</sup> and P<sup>3-</sup>

