

Name _____

Period _____

Periodicity Homework #1

- 1) (A) How is the modern periodic table structured? (B) On what do we base an element's position on the table?

- 2) (A) Where are the metals located on the periodic table? (B) What about the non-metals?

- 3) Distinguish between a period and a group on the periodic table.

- 4) (A) How many groups are there? (B) How many periods are there?

- 5) What are the general characteristics of a metal?

- 6) What are the general characteristics of a non-metal?

- 7) What are the general characteristics of a semimetal?

- 8) (A) What is a transuranium element? (B) Where are they located on the periodic table?

- 9) Draw a simple periodic table and label the periods and groups.

10) What are the common names for the following groups?

Group 1 _____

Group 2 _____

Group 3-12 _____

Group 17 _____

Group 18 _____

11) What is true of the elements in a given group on the periodic table?

12) What are the general characteristics of all the elements in group 1?

13) What are the general characteristics of all the elements in group 2?

14) What are the general characteristics of all the elements in group 3-12?

15) What are the general characteristics of all the elements in group 17?

16) What are the general characteristics of all the elements in group 18?

17) Draw a simple periodic table and label the lanthanides and actinides.