

CHEMISTRY 11 PERIODIC TABLE CHALLENGE:

Name: _____

Date: _____

Section: _____

WITHOUT USING YOUR PERIODIC TABLE, SEE IF YOU CAN FILL IN THE FOLLOWING BLANKS:

Write the names for each of the following elements: (spelling them correctly!)

H: _____

Ru: _____

Mg: _____

S: _____

I: _____

Ne: _____

Cr: _____

B: _____

As: _____

Kr: _____

Write the symbols for each of these elements:

Gold: _____

Silver: _____

Beryllium: _____

Aluminum: _____

Iron: _____

Bromine: _____

Scandium: _____

Platinum: _____

Mercury: _____

Tin: _____

Lead: _____

Chlorine: _____

Write the chemical formulas for three polyatomic elements:

Write the chemical symbols for three nonmetallic elements:

Write the chemical symbols for three metallic elements:

1. Write the combining capacity of:

- a) Sulphur _____
- b) Potassium _____
- c) Beryllium _____
- d) Neon _____
- e) Silver _____

2. Write the combining capacity of:

- a) Mg _____
- b) Ga _____
- c) Bi _____
- d) Fr _____
- e) Rn _____

3. What element is at the following Periodic Table location?

- a) Period 2 Group 5 _____
- b) Period 5 Group 14 _____
- c) Period 3 Group 13 _____
- d) Period 6 Group 11 _____
- e) Period 4 Group 18 _____

4. What is the Periodic Table location of the following elements?
(give Period and Group #)

Element	Period	Group
Silicon		
Iron		
Francium		
Uranium		
Osmium		

5. List 3 diatomic elements (at least one in a different family)

6. What is the most metallic element on the Periodic Table? _____

What is the most nonmetallic element on the Periodic Table? _____

7. Mark the metallic elements as **M** and the non metallic elements as **NM**.

- | | | | |
|----------|-----------|-----------|----|
| 1. _____ | Potassium | 6. _____ | Sm |
| 2. _____ | Chlorine | 7. _____ | Os |
| 3. _____ | Mercury | 8. _____ | As |
| 4. _____ | Silicon | 9. _____ | H |
| 5. _____ | Antimony | 10. _____ | B |