

Name: _____

Period: _____

HW4:6 Types of Reactions
Mr. Murray, IPC

Assigned: Mon., 11/27 and Tues. , 11/28
Due: Thurs., 11/16 and Fri. , 11/17

1. What kind of reaction?
 - A. Two elements switch places in two different compounds.
 - B. Water is a product.
 - C. A compound is split up.
 - D. Two elements are joined into a compound.
 - E. An element pushes out another element in a compound.
2. Is combustion exothermic or endothermic? Why?
3. A 24 gram object takes up 8 mL. Find density.

4. $\text{Mg(OH)}_2 + \text{Ag}_2\text{O} \rightarrow \text{Ag(OH)} + \text{MgO}$
 - A. How many oxygen atoms on the reactant side?
 - B. How many oxygen atoms on the product side?
 - C. What must be Silver's oxidation number?
5. Balance the reaction:
 $\text{Mg(OH)}_2 + \text{Ag}_2\text{O} \rightarrow \text{Ag(OH)} + \text{MgO}$
6. Give three safety rules about working with the Bunsen burner (especially about the test tube).

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Type of Reaction	Balance the reactions:
7. _____	_____ Cl_2 + _____ Zn_2O \rightarrow _____ ZnCl + _____ O_2
8. _____	_____ CH_4 + _____ O_2 \rightarrow _____ CO_2 + _____ H_2O
9. _____	_____ Na + _____ Cl_2 \rightarrow _____ NaCl
10. _____	_____ $\text{Na}_2(\text{SO}_4)$ + _____ BaCl_2 \rightarrow _____ $\text{Ba}(\text{SO}_4)$ + _____ NaCl
11. _____	_____ Al_2O_3 + energy \rightarrow _____ Al + _____ O_2

12. Photosynthesis or Respiration:
 - A. _____ Animals do this.
 - B. _____ Plants do this.
 - C. _____ Produces water.
 - D. _____ Produces oxygen
 - E. _____ Produces carbon dioxide.
 - F. _____ Uses energy.
 - G. _____ Gives off energy.
 - H. _____ Glucose is a product.
 - I. _____ Glucose is a reactant.
 - J. _____ Done in plant + animal cells.
13. What is glucose?

