We have learned everything from ch 8 -

I can identify 4 signs of a chemical reaction

1.

2.

3.

4.

I can identify the important parts of a chemical equation

Describe them:

I can write formula equations from word equations

Section 4 Writing and balancing chemical equations

Write the balanced chemical equation.

1. Solid lithium and liquid water react to form lithium hydroxide in aqueous solution and hydrogen gas.

2. Solid copper (II) sulfide and oxygen gas produce solid copper (II) oxide and sulfur dioxide gas.

3. Sulfur dioxide gas and oxygen gas combine to form sulfur trioxide gas.

4. Water vapor reacts with potassium metal to produce hydrogen and aqueous potassium

hydroxide.

5. Solid iron, liquid water, and oxygen gas combine to produce iron (II) hydroxide.

6. Tetraphosphorus decoxide + water Hydrogen phosphate

7. Sodium hydroxide + Chlorine Sodium chloride + Sodium hypochlorite + water

I can balance equations to satisfy the Law of Conservation of Mass

I can identify the type of reaction (synthesis, decomposition etc.)

I can predict the products of a reaction

(Use the activity series for single replacement)

1. \_\_Ag + \_\_CuSO4 ->

Type:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_NaI + \_\_CaCl2 ->

Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_O2 + \_\_H2 ->

Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_AgNO2 + \_\_BaSO4 ->

Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. \_\_HCN + \_\_CuSO4 ->

Type:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. \_\_C4H8 + \_\_O2 ->

Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. \_\_KCl + \_\_Mg(OH)2->

Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. \_\_Zn + \_\_ Au(NO2)2 ->

Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. \_\_Na2O ->

Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_