

## Worksheet: Balancing Equations &amp; Types of Reactions

Period \_\_\_\_\_ Date \_\_\_\_\_

(Frameworks Code)

**Part A:** Write balanced chemical equations for each of the following:

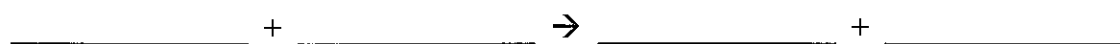
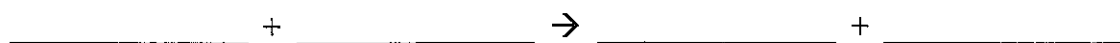
1. hydrogen plus chlorine yields hydrogen chloride



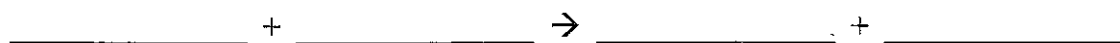
2. water yields hydrogen plus oxygen



3. sodium plus hydrogen hydroxide yields sodium hydroxide plus hydrogen

4. magnesium sulfate plus ammonium chloride  $\rightarrow$  magnesium chloride plus ammonium sulfate

5. sodium sulfide plus silver nitrate yields sodium nitrate plus silver sulfide



6. potassium chlorate yields potassium chloride plus oxygen



7. copper (II) sulfate plus aluminum yields aluminum sulfate plus copper



8. Calcium oxide plus water yields calcium hydroxide



9. Sodium sulfate plus barium chloride yields sodium chloride plus barium sulfate



10. Sodium chloride plus fluorine yields sodium fluoride plus chlorine

**Part B:** Determine the type of reaction for each of the above equations:

1. \_\_\_\_\_

6. \_\_\_\_\_

2. \_\_\_\_\_

7. \_\_\_\_\_

3. \_\_\_\_\_

8. \_\_\_\_\_

4. \_\_\_\_\_

9. \_\_\_\_\_

5. \_\_\_\_\_

10. \_\_\_\_\_