Name: _	Class Copy
Period:	Subject: Int Science

## Activity 4 - Making a Sentence Apply

For questions #1-4, use the following chemical reaction:

$$C_3H_8 + 5O_2!$$
  $3CO_2 + 4H_2O$ 

propane + oxygen! carbon dioxide + water

For each of the following terms, give a definition for that term, then give a real world example by applying that definition to the equation listed above.

- 1. Reactants:
- 2. Products:
- 3. Coefficient:
- 4. Subscript:

Balance each of the following reactions and list the reaction type.

**5.** Fe + \_\_\_\_ 
$$H_2O$$
 ! \_\_\_\_  $Fe_3O_4$  + \_\_\_\_  $H_2$ 

**8.** Type: \_\_\_\_\_

**6.** \_\_\_\_ P +\_\_\_  $O_2 !$ \_\_\_  $P_4 O_{10}$ 

**9.** Type: \_\_\_\_\_

7. \_\_\_\_ KCIO<sub>3</sub>! \_\_\_\_ KCI + \_\_\_\_ O<sub>2</sub>

**10.** Type: \_\_\_\_\_