

## Predicting Chemical Reactions Worksheet

In each of the following:

1.

**State the type of reaction expected:** (formation, decomposition, single replacement, double replacement, combustion)

2. **Write the balanced equation for the reaction:** (**words** and **symbols**, **state of matter**, **balancing**)

Example: Reaction Type: **formation**

potassium reacts with chloride → **potassium chloride**



1. Reaction Type: \_\_\_\_\_

propane(C<sub>3</sub>H<sub>8</sub>) gas burns →

2. Reaction Type: \_\_\_\_\_

magnesium reacts with zinc nitrate →

3. Reaction Type: \_\_\_\_\_

iron(III) oxide →

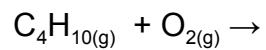
4. Reaction Type: \_\_\_\_\_

zinc chloride reacts with hydrogen sulfide →

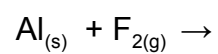
5. Reaction Type: \_\_\_\_\_

potassium reacts with chlorine →

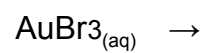
6. Reaction Type: \_\_\_\_\_



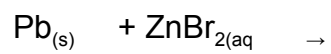
7. Reaction Type: \_\_\_\_\_



8. Reaction Type: \_\_\_\_\_



9. Reaction Type: \_\_\_\_\_



10. Reaction Type: \_\_\_\_\_

