

### Synthesis, Decomposition and Combustion Reactions

**Directions:** Complete this worksheet according to information from the lecture.

#### Synthesis Reactions:

Definition: \_\_\_\_\_

Examples:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

#### Decomposition Reactions:

Definition: \_\_\_\_\_

Examples:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

#### Combustion Reactions

Definition: \_\_\_\_\_

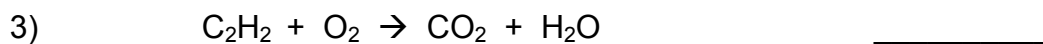
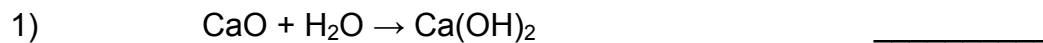
Complete Combustion: \_\_\_\_\_

Incomplete Combustion: \_\_\_\_\_

Examples:

- \_\_\_\_\_
- \_\_\_\_\_

## Classifying Chemical Reactions



## Writing Equations from Info

### ■ Synthesis

- Nickel and oxygen react forming nickel (II) oxide

### ■ Decomposition

- Decomposition of aqueous mercury (II) oxide into liquid mercury and nitrogen gas