Types of Reactions

**Elephant toothpaste**

H2O2 🡪 \_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_

Type of reaction\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Hand on Fire**

CH4 + O2 🡪 \_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_

Type of reaction \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mushroom Cloud**

CO2 (s) 🡪 \_\_\_\_\_\_\_\_\_\_\_\_

Type of reaction \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**CO2 Bubble**

CO2 (s) 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_

Type of reaction \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Burning Money**

C3H7OH + O2 ----> \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of reaction \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Steel of Wool**

3Fe + 2O2 🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of reaction\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Black Snake**

C12H22O11 🡪 12C + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of reaction \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Bubbling Rainbow**

2NaOH + CO2  🡪 Na2CO3 + \_\_\_\_\_\_\_\_\_\_\_\_\_

Type of reaction\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Hydrogen balloon**

Al + HCl 🡪 \_\_\_\_\_\_ + \_\_\_\_\_\_\_\_

Balance the above equation

What do you think it means when we say this reaction is exothermic?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Whoosh bottle**

Which of the previous demonstrations is this one like? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of reaction\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Glowing pickle**

Which ion do you think is present in a pickle that conducts electricity?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Flame caldron**

What causes the colored flames? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_