

## Part 1: Fill in the Blanks

Use the words in the box to complete the sentences below.

**Box:** [ Product | Reactants | Physical | Chemical | Oxides | Compound |  
Lighter | Oxygen ]

1. In a \_\_\_\_\_ change, no new substances are formed, such as when water freezes.
2. The substances that react together in a chemical reaction are called \_\_\_\_\_.
3. When magnesium burns, it reacts with \_\_\_\_\_ in the air.
4. Iron sulfide is a \_\_\_\_\_ because it is made of two different elements bonded together.
5. Hydrogen gas is \_\_\_\_\_ than air, which is why it escapes the test tube if you don't cover it.
6. The new substance made during a reaction is called the \_\_\_\_\_.
7. Ashes often contain new substances called \_\_\_\_\_.
8. A \_\_\_\_\_ change occurs when a new substance, like rust, is formed.

## Part 2: Match

Reaction	Gas Produced
1. Carbon + Oxygen	A. Hydrogen Gas
2. Magnesium + Hydrochloric Acid	B. Carbon Dioxide
3. Potassium + Water	C. Hydrogen Gas