

**Chemical and Physical Changes****1. Fill in the Blanks**

A \_\_\_\_\_ **change** is the change in the form of matter while the identity stays the same.

A \_\_\_\_\_ **change** is a change where the identity of matter is changed.

An \_\_\_\_\_ **property** is dependent on the amount of matter.

An \_\_\_\_\_ **property** is not dependent on the amount of matter.

**2. Indicate if the following are physical or chemical changes**

Dissolve salt in water \_\_\_\_\_

Silver tarnishes \_\_\_\_\_

Water is heated to steam \_\_\_\_\_

Ice melts in water \_\_\_\_\_

Milk sours \_\_\_\_\_

Digestion of food \_\_\_\_\_

A Mentos coke guizer \_\_\_\_\_

Vitamin C decomposes when heated \_\_\_\_\_

**3. Label the properties as intensive or extensive**

Conductivity \_\_\_\_\_

Freezing point \_\_\_\_\_

Energy of a flame \_\_\_\_\_

Ductility of gold \_\_\_\_\_

The mass of an atom \_\_\_\_\_

Density of H<sub>2</sub>O \_\_\_\_\_

Vitamin C is a solid \_\_\_\_\_

The color of an emerald  
\_\_\_\_\_