

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

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

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

An extensive **property** is dependent on the amount of matter.

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

2. Indicate if the following are physical or chemical changes

Dissolve salt in water physical
Silver tarnishes chemical
Water is heated to steam physical
Ice melts in water physical
Milk sours chemical
Digestion of food chemical
A Mentos coke guizer physical
Vitamin C decomposes when heated chemical

3. Label the properties as intensive or extensive

Conductivity intensive
Freezing point intensive
Energy of a flame extensive
Ductility of gold intensive
The mass of an atom extensive
Density of H₂O intensive
Vitamin C is a solid intensive
The color of an emerald intensive