

Physical and Chemical Changes Study Guide

Physical Change

- still the same substance

- change in:

 - = state (solid, liquid, gas)

 - *only time that heat/energy is involved in a physical change

 - =shape

 - =color

 - =size

 - *volume, mass, density

 - =hardness

 - =texture

- sometimes can be reversed

- creating a solution or a mixture is a physical change!

Chemical Change

- new substance is produced

- properties of new substance are unlike original substance

- usually can not be reversed

- chemical change can sometimes cause a physical change

- always involves heat/energy

 - =heat in or heat out