

Physical Properties	Chemical Properties
Physical Changes	Chemical Changes
Properties that can be observed and measured without changing the identity of a substance	Properties that can be observed only when the identity of the substance is changed
Solubility	Flammability
State of Matter	Reactivity

Melting Point

Boiling Point

Volume

Density

Butter melts in a
saucepan and changes
from a solid to a liquid

Nail rusting in the
outdoors

Cake batter bakes in
the oven

Fabric changes color
when it is dyed

An apple is cut into
slices

Baking soda reacts with
vinegar to form carbon
dioxide, water, and
sodium acetate

Food changes as it is
digested in the human
body

Silver is pounded into a
thin sheet and changed
in shape

A match is lit and burns

Water evaporates from
the surface of the ocean

Change that does not
change the chemical
identity of a substance

Change that results in
an entirely new
chemical substance
being formed