

Physical Properties

Chemical Properties

Physical Changes

Chemical Changes

Physical Property -
can be observed
without changing
the matter on
its atomic/
molecular level.

Examples:

- Color
- Odor
- Luster
- Mass/Vol/Dens.
- Solubility
- Boiling/Melting
Points
- State of
Matter

Examples:

- Flammability
- Reactivity
- Toxicity
- Ability to
rust/tarnish

Chemical Property -
something that
can only be
observed while
the substance
is reacting.

Physical Change -
change where the
appearance/structure
is altered, but it
does not change
what the substance

is!

Examples:

- Any phase
change
- Cutting/
Tearing
- Crushing/
Stretching

Examples:

- Any reaction
- Rusting (oxidation)
- Burning wood or
cellular respiration
(combustion)
- Fireworks
- Cooking
- Decomposition,
Rotting, Spoiling

Chemical Change -
a result of a
chemical rxn
* How to know if a
chem. rxn occurred:

- Release of a gas
(Bubbles)
- Color Change
- Production of
heat or light
- Formation of a
precipitate (solid)