

Properties of Matter Notes

Physical Properties- observations that can be made without changing the identity of a substance.

- Ex: Color, shape, size, melting point (temp), freezing point (temp), boiling point (temp), density, viscosity (how thick or thin a liquid is), magnetic attraction, elasticity, texture, etc.
- Physical Separation Techniques- magnet, sifting, sorting, filtering, distillation

Physical Change - changes that do not change the identity of the material. Changes in size, shape, Phase of matter (freeze, melt, evaporate, boil, condense)

Chemical Property - a characteristic of a substance that indicates if it can undergo a certain chemical change.

- Ex: Flammability, corrosive, rusting

Indications of a chemical change

- Smell (like rotten eggs, burning food), a release of energy (indicated by light, heat, smell, sound), fizzing, smoke, bubbling
- A new substance is formed!!!