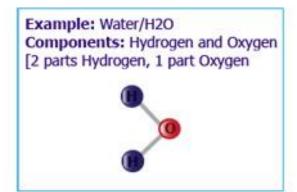


Composition

Components of a sample and their relative proportions

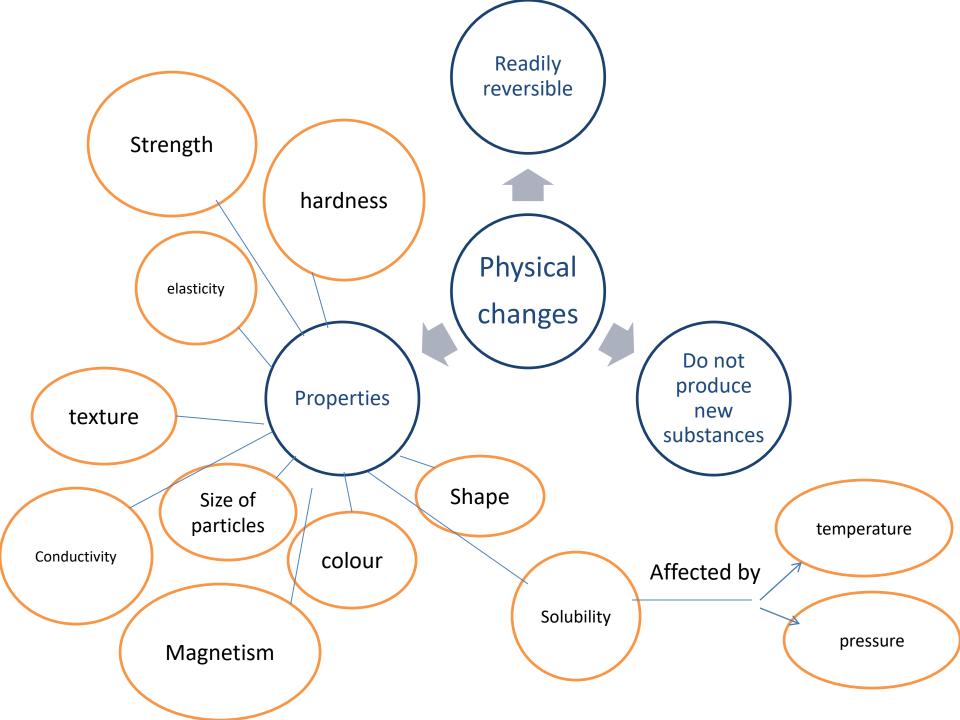


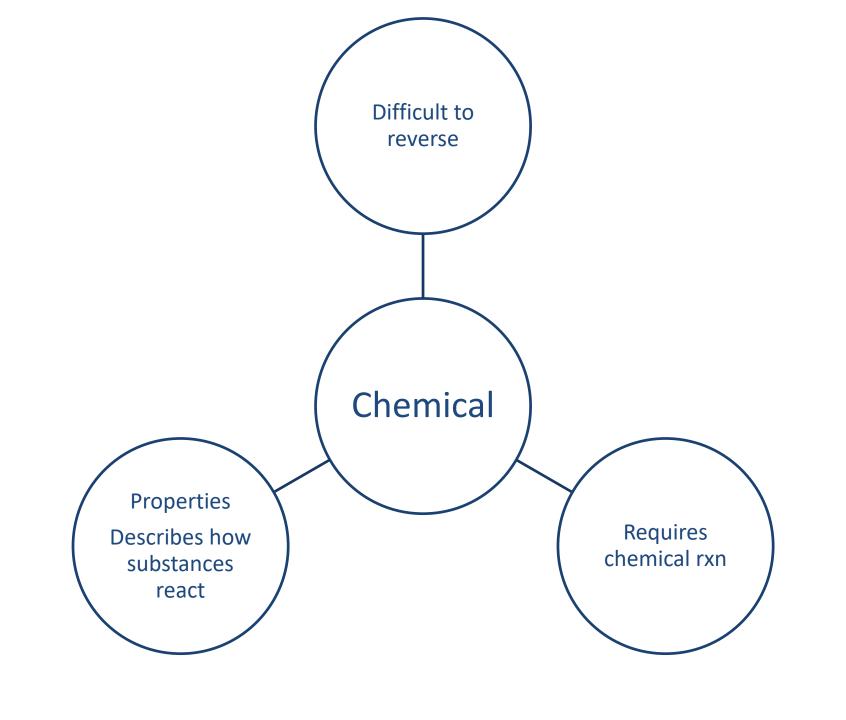
Properties

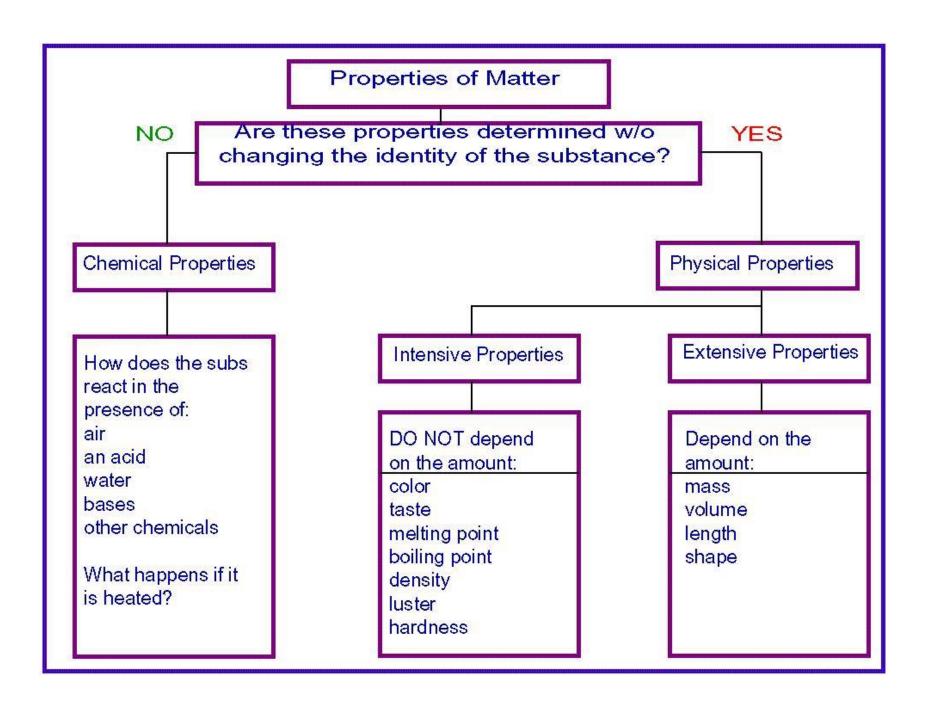
Distinguishing qualities or attributes of a sample of matter

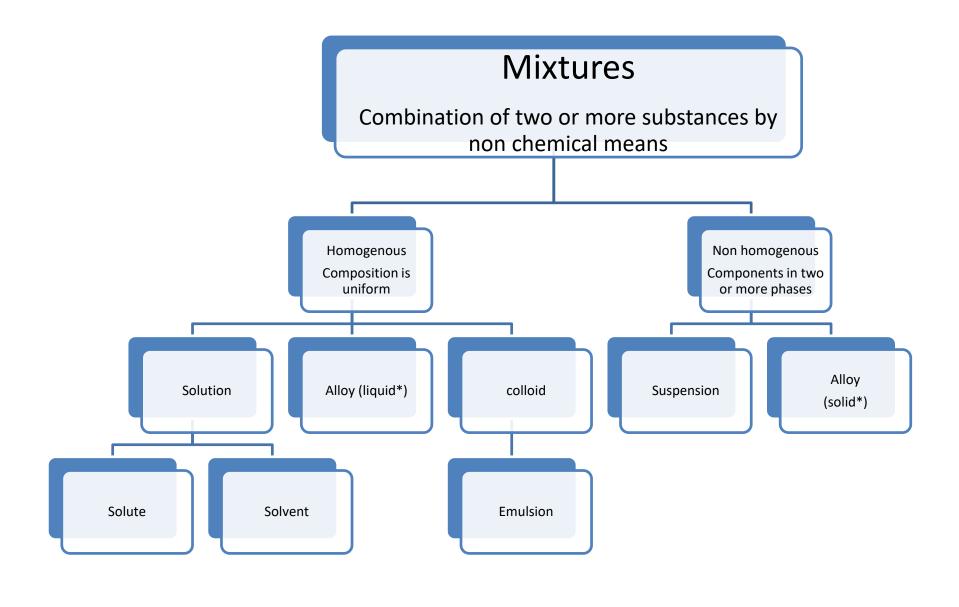


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Separation techniques

Mixtures can be separated as follows

A soluble solid can be

- separated from a liquid by:
- evaporation
- - simple distillation
- crystallization

An insoluble solid can be

- separated from a liquid by:
- - filtration

Miscible liquids can be

- separated by:
- - fractional distillation

Immiscible liquids can be

- separated by:
- - separating funnels

A magnetic solid can be

- separated from a solid/liquid
- by:
- - magnetism

Solids of different particle size

- can be separated by:
- - sieve or handpicking

Compounds however can be separated into pure substances by using electricity and other chemicals