

Matter

Def: has mass + takes up space

Pure Sub. element - can't be broken down

(2) ex: periodic table.

compound - 2 or more elements
bonded together (formula)

ex: NaCl

Mixture • combination of elements + compounds
(2) mixed together but able to be
separated by physical methods
ex: sand + water

Homogeneous - uniform throughout

Heterogeneous - non-uniform, layers

Solution clear mixture, homogeneous

(2) Solute - is dissolved

solvent - does the dissolving

physical
properties
(2)

- can be observed without changing the substance

intensive - not dependent on amount
ex: Density, color, MP, BP

extensive - depends on amount
ex: mass, length, volume

Chem. prop.

- determine how substance reacts
- creates something new, changes

Phys. change

- no change in chem. makeup
- ex: tear, get wet

Chem. change

- new substance is made
- ex: burn