

CHEMISTRY

MATTER

- Anything that takes up space
 - 1) Pure substances
 - Cannot be separated physically
 - Elements → most simplest form of matter
 - DEAD END: CANNOT BE BROKEN DOWN FURTHER
 - ❖ EX: Fe (iron), Co, Mg, H, N
 - Compounds → 2 or more elements chemically combined
 - ❖ EX: H₂O, NaCl
 - 2) Mixture
 - Is a combination of 2 or more substances physically
 - ★ Homogeneous
 - ❑ Even distribution of particles completely dissolved into ONE mixture
 - ❖ EX: Salt water, ice tea mix
 - Distillation: 2 liquids with different boiling points
 - Evaporation: separating liquid from a solid
 - ★ Heterogeneous
 - ❑ Not evenly distributed
 - ❖ EX: soil, oil and H₂O, salad
 - Separation by filtration

