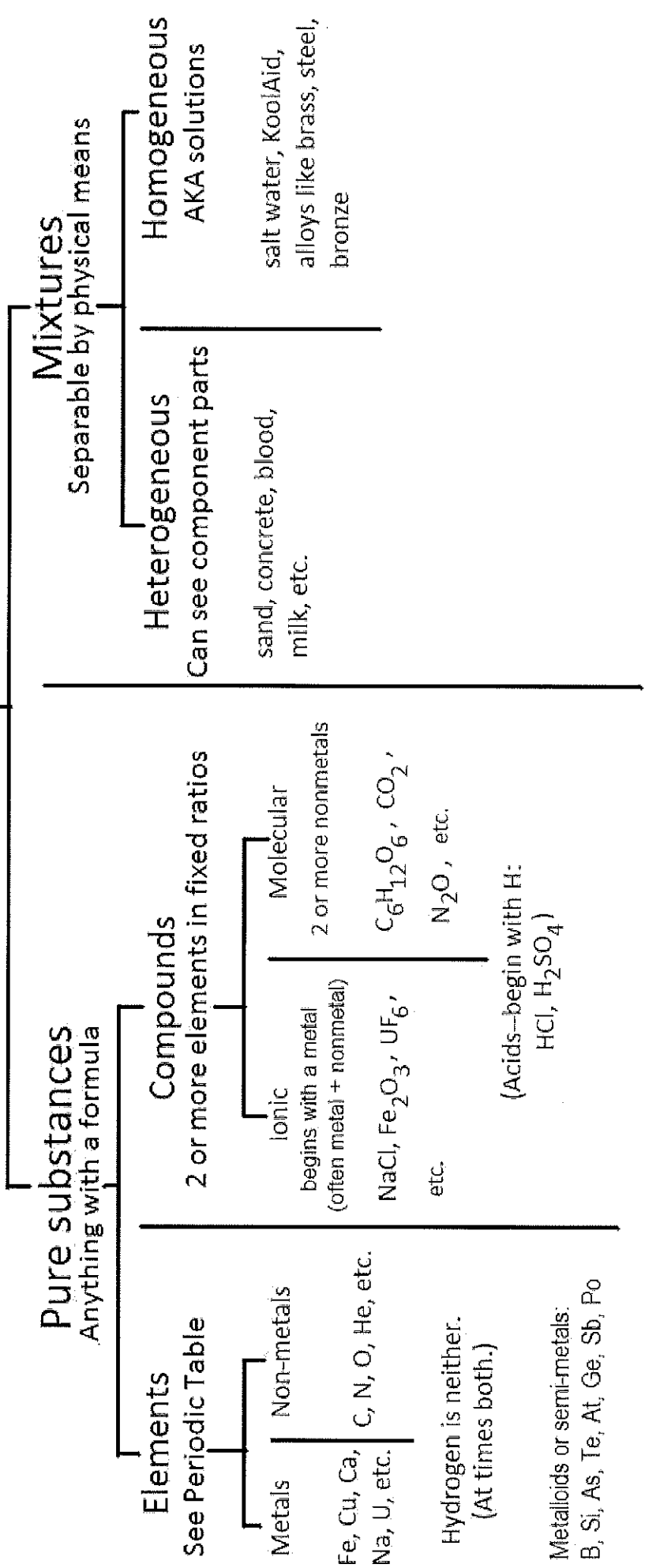


Matter



Pure substances
Anything with a formula

Mixtures
Separable by physical means

Elements
See Periodic Table

Compounds
2 or more elements in fixed ratios

Heterogeneous
Can see component parts

Homogeneous
AKA solutions

Metals

Fe, Cu, Ca,
Na, U, etc.

Non-metals

C, N, O, He, etc.

Ionic

begins with a metal
(often metal + nonmetal)

NaCl, Fe₂O₃, UF₆,
etc.

Molecular

2 or more nonmetals

C₆H₁₂O₆, CO₂,
N₂O, etc.

(Acids--begin with H:
HCl, H₂SO₄)

Hydrogen is neither.
(At times both.)

Metalloids or semi-metals:
B, Si, As, Te, At, Ge, Sb, Po

salt water, KoolAid,
alloys like brass, steel,
bronze

sand, concrete, blood,
milk, etc.