Name: _____ ABC# _____

CLASSIFICATION OF MATTER FLOW CHART – "WHAT'S THE MATTER"

MATTER

Can the matter be separated by physical means?
By using a physical property such as size, color, texture, mass, weight, density, etc.

YES

NO

Is the mixture uniform?
(the same throughout)

YES

NO

Can it be chemically decomposed
(broken into parts by breaking bonds)

YES

NO

One or more substances dissolved in another. Uniform composition.

SOLVENT –

SOLUTES –

SOLUTION -

ALLOY –

The different parts can be easily seen and picked out.

Examples:

Atoms of **2 or more different elements** bonded together.

Examples:

Atoms of **only 1 element** (may be 2 or more atoms of the same element bonded together.

Examples: