

# Vocabulary

## Classifying Matter



- Matter—

All matter is made of atoms; it has mass and takes up space.

- Atom—

A basic unit of matter. Extremely small particles.

- Element-

A pure chemical substance composed of one kind of atom.

- Compound-

A substance consisting of two or more different elements chemically bonded together.

- Molecule-

A group of 2+ atoms that are joined chemically and act as a single unit.

\*The smallest piece of matter that is still the same ‘something.’

- Mass-

A measure of how much matter is in an object.

Base Unit = gram (g)

- Volume-

A measure of how much space an object occupies.

Base Unit = liter (L)

- Mixture-

A substance made by combining two or more different materials without a chemical reaction.

\* \* Can be physically separated.

• Solution-

A well-mixed homogeneous mixture.

Made of solute (dissolved) and solvent (dissolver)

• Solid-

The state of matter which has a definite shape and volume.

- Liquid-

The state of matter which has no definite shape, but has a definite volume.

It takes the shape of its container.

• Gas-

The state of matter without a definite shape or volume.

It expands to fill its container.