ICP Student Chapter 2 Notes
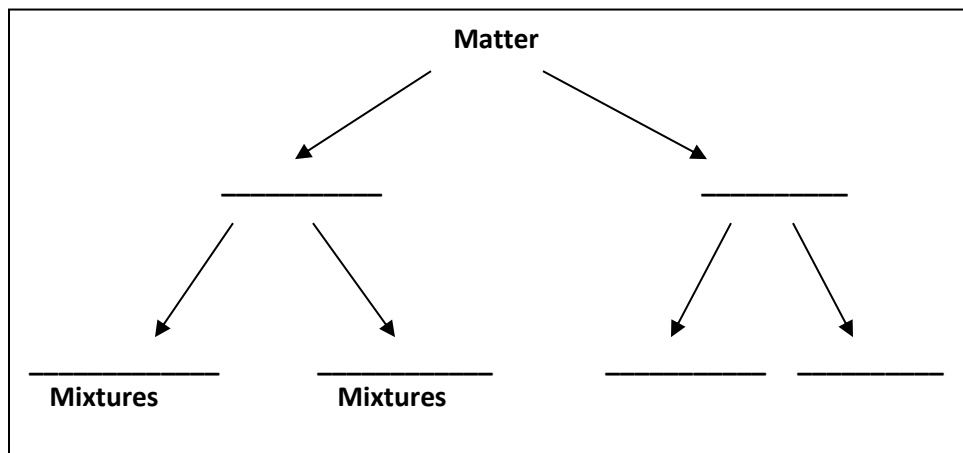
Name _____

Date _____

Objectives:

1. Classify samples of matter from everyday life as heterogeneous mixtures, homogeneous mixtures, compounds, or elements.

Notes:

- Matter is _____

How do scientists classify matter?

1. There are two categories of matter.

    a. _____ – contain more than one kind of matter, and can be separated by physical means.

    b. _____ – cannot be separated into different kinds of matter by physical means.

2. Mixtures can be:

    a. _____ – the same throughout. Cola, brass, air…

    b. _____ – different samples are not necessarily made up of exactly the same proportions of matter. Soup, soil, fudge ripple ice cream

3. Mixtures share a common property. They can be separated by _____ means such as _____. Separation doesn't change the parts of the mixture.

4. _____ can contain only one kind of matter, or more than one kind of matter but the different kinds cannot be separated with changing the substance. Table salt, silver…

    a. _____ – contain only one kind of matter. Copper, silver, oxygen…

    b. _____ – contain more than one kind of element. Table salt, rust, carbon dioxide, water…

5. Mixtures can be separated into substances by _____. This is important in science.