

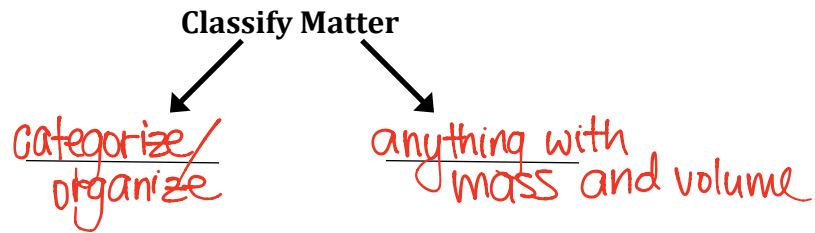
Classifying Matter

Name:

Date:

Block:

What does it mean to...



Elements

- When all the particles are alike, the substance is called a pure substance
- It is the same throughout
- Elements are symbols found on the periodic table.
- Ex: Hydrogen, Iron, Uranium

Compounds

- When all the particles are alike, the substance is called a pure substance
- It is the same throughout
- Made up of more than one element. You have to know its chemical structure.
- Ex: CO_2 , H_2O , H_2O_2

Mixtures

- Matter that consists of different substances mixed together but not chemically combined.
- Ex: salad, sand, person
- A mixture is a combination of substances.

- Types of mixtures:
 1. Heterogeneous: different A mixture that does not appear to be the same throughout
Ex: sushi
 2. Homogeneous: same A mixture that does appear the same throughout
Ex: mixing paint
smoothie
coffee

Properties of Elements, Compounds and Mixtures		
Elements	Compounds	Mixtures
- one atom	- more than one atom	- more than one compounds
- pure substances	- pure substances	- impure substances
- same throughout	- same throughout	- heterogeneous - different throughout - homogeneous - same throughout
- example:	- example:	- example: Computer

