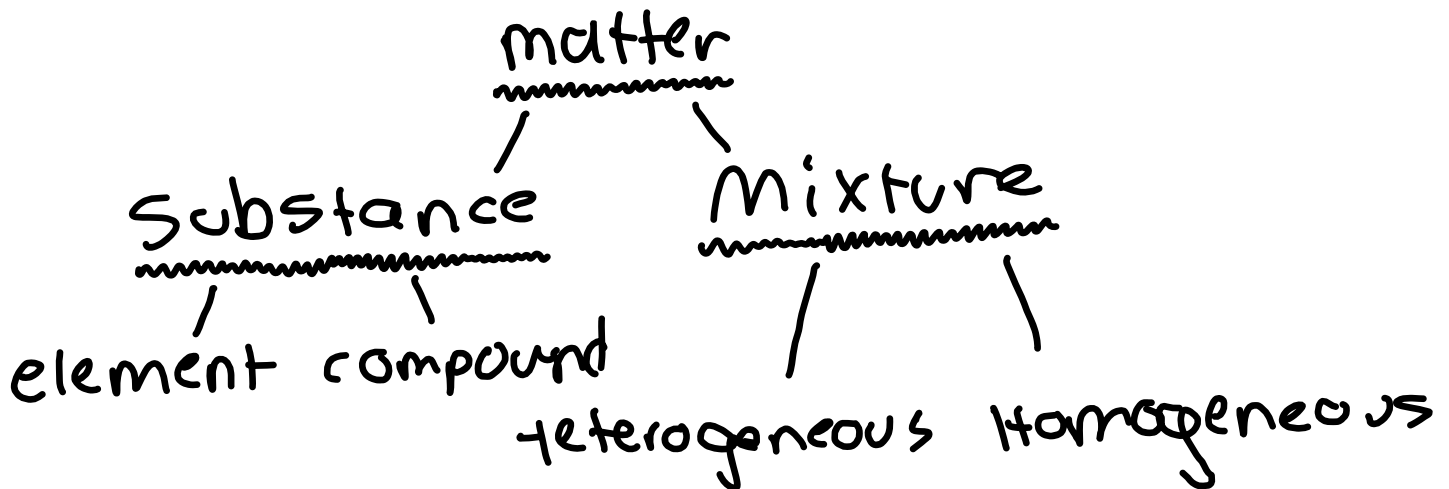


One-Pager



Matter: anything that has mass... Ex: a chair, a person, a piece of paper
homogeneous mixtures are chemically combined **heterogeneous mixtures** are physically combined
a compound is two or more elements combined a mixture is multiple substances combined
Compound Ex: Table salt, water, carbon dioxide **heterogeneous mixtures** Ex: milk, veggie soup
Element Ex: oxygen **Homogeneous mixtures** Ex: Lemonade, peanut butter mixture: when substances combine
Matter: anything that has mass **Substance:** a particular matter **Element:** a substance in its purest form
Compound: when two or more elements combine **Solution:** when a solute dissolves into a solvent
Separate: to take apart a mixture **dissolve:** when one substance disappears into another
burning something is a chemical change Use water displacement for an irregular/regularly shaped object. You simply take a graduated cylinder and measure the water in it. Then you add the object and measure again. Then subtract the distances. **Physical properties:** properties you can clearly notice and describe. **Chemical properties:** the chemical make-up of a substance
Evidence of a chemical change: Release of light, temperature, odor and color change, gas and solid appearance. **Chemical change** Ex: Boiling, evaporating, rusting, rotting **Physical change** Ex: crumpling, burning, freezing, sawing, crushing **Melting point:** temperature when a solid turns liquid **Boiling point:** temperature when a liquid evaporates **Viscosity:** how runny a liquid is **Density:** how much mass is in an object **Combustibility:** how easy something blows up **Reactivity:** how much a substance reacts to a change **Oxidation:** the removal of hydrogen **chemical reaction:** when one substance reacts to another **Solute:** substance that dissolves **Solvent:** solute dissolves into this.
Solution: when a solute and solvent mix (sugar water)



Law of Conservation Matter:
matter is neither created or destroyed during a chemical change... It only changes forms!