CW #2 – Matter

1. States of Matter Models – Draw a model of each state of matter – showing the atoms and their relation to each other and the speed with which they move

Solid Liquid Gas Plasma

1. Determine if the following processes are **P**hysical properties or **C**hemical properties.
   1. Boiling point d. Ability to rust
   2. Flammability e. Reactivity to vinegar
   3. Density f. Hardness
2. Determine if the following changes are **P**hysical or **C**hemical changes.
   1. Glass breaking j. Mixing salt and water
   2. Hammering wood k. Mixing oil and water
   3. A rusting bicycle l. Water evaporating
   4. Melting butter m. Cutting grass
   5. Separating sand from gravel n. Burning leaves
   6. Bleaching your hair o. Fireworks exploding
   7. Frying an egg p. Cutting your hair
   8. Squeezing oranges for juice q. Crushing a can
   9. Melting ice r. Boiling water
3. Determine if the following is a type of pure substance: **E**lement or **C**ompound or a type of mixture: **Homo**geneous mixture or **Hetero**geneous mixture.
   1. Aluminum foil f. Hot tea
   2. Chocolate chip cookie g. Carbon
   3. Italian salad dressing h. Carbon dioxide
   4. Table salt (sodium chloride) i. Air
   5. Dirt j. 70% isopropyl alcohol