Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_ Ast: \_\_\_\_\_

**CLASSIFICATION OF MATTER VOCABULARY**

M/J Physical Science Advanced

1. Matter **(p.86) - anything that has mass and takes up space**
2. Physical Property **(p.102) - a characteristic of a substance that can be observed and measured without changing the identity of the substance**
3. Density **(p.93 & p.104) - a measure of the amount of mass in a given amount of space (*mass per unit of volume*)**
4. Conductivity (Electrical or Thermal) **(p.104) - the rate at which energy flows through a substance (either electrical or thermal)**
5. Solubility **(p.104) - the ability of a substance to dissolve in another substance**
6. Malleability **(p.105) - the ability of a substance to be rolled or pounded into various shapes**
7. Chemical Property **(p.106) - a substance’s ability to change into a new substance with different properties**
8. Solid **(p.134) - a substance that has a definite volume and shape**
9. Liquid **(p.135) - a substance that has a definite volume but not a definite shape (*indefinite shape*)**
10. Gas **(p.135) - a substance that does not have a definite volume or shape (*indefinite volume and shape*)**
11. Atom **(p.144) - the smallest unit of an element that maintains the properties of that element**
12. Element **(p.145) - a substance made up of one or more of the same kind of atom**
13. Compound **(p.145) - a substance made up of different kinds of atoms chemically combined in a specific ratio**
14. Mixture **(p.145) - a substance which contains a variety of elements and/or compounds that are not chemically combined with each other**
15. Pure Substance **(p.146) - a substance made up of one type of particle that has definite physical and chemical properties regardless of the amount**