**5th Grade Vocabulary: Chapter 13, The Characteristics of Matter**

**We will continue doing our vocabulary in the new and improved way. At the beginning of each chapter you will be given a list of vocabulary words and definitions you are responsible for. Every day we will cover new terms. Your homework each night is to write the word(s) we covered into the vocabulary section of your composition book and also make a new flash card from your index cards. Don’t get behind….this is a great way to prepare for your test every evening. Keep this paper in your science folder or folded in the vocabulary section of your composition book. We will use this sheet to begin reciting the vocabulary on the first day of each new chapter. Composition books will be collected for grading on the day of the test. Each word is worth one point.**

Begin this vocabulary section by writing this header at the top of your page:

**Chapter 13 – The Characteristics of Matter**

1. Boiling Point: temperature at which a substance changes from a liquid to a gas
2. Chemical change: change in matter that results in **new** substances being formed
3. Chemical property: ability of a material to change its chemical makeup
4. Chemical reaction: specific example of one or more chemical changes
5. Composition: what something is made of; its structure
6. Conductivity: ability to carry energy; how well a substance conducts electricity or heat (copper vs. wood)
7. Density: a measurement of the amount of matter in a certain unit space; mass per unit volume
8. Flammability: how easily a substance burns when expose to fire (steel vs. wood)
9. Hardness: how hard an object is (diamond vs. chalk)
10. Heterogeneous mixture: materials that make up a mixture are distributed unevenly.
11. Homogeneous mixture: materials that make up a mixture is uniform throughout.
12. Malleability: how well something can be molded or re-shaped (cookie dough)
13. Mass: the amount of matter in an object
14. Melting Point: temperature at which a substance changes from a solid to a liquid
15. Mixture: physical combination of two or more substances
16. Physical change: change in size, shape, or state of matter with **no new matter** being formed
17. Physical property: characteristic that can be measured or detected by the senses.
18. Reactivity: how well a substance reacts with another substance
19. Solubility: measure of how well one substance can dissolve in another substance (water)
20. Solute: particles that are dissolved in a solution
21. Solvent: substance that dissolves the solute in a solution
22. Solution: mixture of two or more substances that are evenly distributed throughout the mixture
23. Viscosity: a substance’s resistance to flow (molasses vs. water)
24. Volume: how much space an object takes up

This vocabulary is due the day of the test and is worth 24 points in the grade book. You earn one point for each word and definition in your composition book. Get started now!