**5th Grade Vocabulary: Chapter 17, Temperature and Heat**

**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 17 – Temperature and Heat**

1. Energy – the ability to do work
2. Kinetic energy – energy of a moving object
3. Potential energy – energy that is stored in an object
4. Thermal energy – total kinetic energy of the particles of a substance
5. Heat – transfer of thermal energy from warmer areas to cooler areas
6. Temperature – measure of the average kinetic energy of the particles that make up a substance
7. Thermal expansion – increase in size of a substance due to a change in temperature
8. Conduction – transfer of thermal energy between two substances or between two parts of the same substance
9. Conductor – material that easily transfers thermal energy
10. Convection – transfer of thermal energy by the flow of liquid or gases
11. Insulator – material that does not easily transfer thermal energy
12. Radiation – transfer of thermal energy through electromagnetic waves