**5th Grade Vocabulary: Cells**

**In 5th grade we begin doing our vocabulary in a different 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 every evening for your test. 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 and vocabulary cards will be graded during your test on test day. Always remember to have your vocabulary done on time!**

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

**Plants**

1. Photosynthesis – the process by which plants use light energy to convert water, minerals, and carbon dioxide into sugars and oxygen
2. Chlorophyll – the green pigment in leaves that collects energy from sunlight
3. Chloroplast – plant organelle inside which photosynthesis takes place
4. Stomata – small openings through which gases move in and out of leaves
5. Vascular plant – a plant with specialized tissues and organs for transporting materials and other functions
6. Nonvascular plant – a simple plant that lacks true leaves, stems, and roots
7. Xylem – specialized tissue within roots, stems, and leaves that moves materials upward
8. Phloem – specialized tissue within roots, stems, and leaves that moves materials downward
9. Transpiration – evaporation through the leaves of a plant
10. Angiosperms – plants with seeds that are covered by a protective fruit
11. Gymnosperms – plants with seeds that are not covered by protective fruits
12. Pollination – process of delivering pollen (male) to the egg (female) in a plant
13. Spores – reproductive structures found in fungi and simple plants

This vocabulary is due the day of the test. Write each word and definition in your composition book and also make a vocabulary card. Please have them finished on time!