**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:

**Cells**

1. Cell – basic structural unit of living things; the basic building block of life
2. Cell membrane – a thin, flexible covering that surrounds all types of cells
3. Cell wall – a rigid outer layer that surrounds the cell membrane – found in plant cells
4. Cytoplasm – the “jelly” of the cell that fills the cell up; all organelles are located in the cytoplasm
5. Organelles – membrane-covered structure in cell that performs specific functions; “mini organs”
6. Nucleus – the “brain” of the cell; stores the cell’s most important chemical information
7. Vacuoles – membrane bound sacs filled with fluids; store water, food and waste
8. Chloroplasts – found only in plants and some Protists; contain pigments that absorb sunlight
9. Mitochondria – the cell “power plant” – large, peanut-shaped organelles that break down the sugar from food
10. Cilia – small cell structures that look like hair and move back and forth
11. Flagellum – whip-like structure that helps single-celled organism move by spinning like a boat propeller
12. Diffusion – the movement of any particle from an area of higher concentration to an area of lower concentration
13. Osmosis – the diffusion of water from an area of higher concentration to an area of lower concentration through a cell membrane
14. Kingdom – largest group of organism that share traits in common
15. Protists – one of the six kingdoms of living things; contain mostly one-celled organisms with a nuclei
16. Fungus – one of the six kingdoms of living things; multicellular, nuclei and feed on decaying matter
17. Tissue – group of one or more kinds of specialized cells that perform the same function; cell + cell = tissue
18. Organ – group of one or more kinds of tissue that work together to perform the same function; tissue + tissue = organ
19. Organ system – group of interconnected organs that perform related life functions; organ + organ = organ system

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!