Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_

1. What is cell organization?

Cellular organization is the specialization and grouping of cells to create different functions throughout the body.

**Key Terms**

1. Cell: The smallest organized unit of a living organism.
2. Organelle: A structure inside the cell that helps it survive.
3. Protoplasm: All the living material inside a cell capable of carrying on all the life processes.

**Q&A**

1. List the three reasons why cellular organization is important.
	1. Living organisms need to do things in order to survive
	2. Different parts of the body take care of chores to keep itself running.
	3. All parts work together in harmony to keep the animal alive.
2. True or false: An atom can only be negatively charged.
	1. FALSE: An atom may be positively, negatively, or neutrally charged.
3. What is the most basic unit of MATTER?
	1. The Atom
4. A group of atoms is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Molecule
5. A \_\_\_\_\_\_\_\_ is the basic structural and functional unit of all living organisms. Cell
6. What is another name for the cell? The building block of life
7. Prokaryotic cells are usually \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, while Eukaryotic are inside \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organisms. Independent, multicellular
8. True or False: Cells grouped together to form a tissue are not always identical. TRUE
9. Which of the following is NOT a type of animal tissue?
	1. Connective
	2. Muscle
	3. Skeletal
	4. Nervous
10. What is an example of connective tissue? Blood or Bone
11. Which tissue is the most active tissue in the body? Muscle
12. True or False: Cardiac muscle can be found on the inner lining of muscle.
	1. FALSE. This is referring to visceral or smooth muscle.
13. Which tissue’s primary job is to communicate messages throughout the body? Nervous
14. What does the epithelial tissue protect the body from?
	1. microorganisms, injury, and fluid loss
15. Define organ: A group of tissues joined together to serve a common function
16. List the Eleven Organ Systems within an Animal.
	1. Circulatory, Digestive, Endocrine, Excretory, Immune, Integumentary, Muscular, Muscular, Nervous, Reproductive, Respiratory, Skeletal