

Name: Answer Key

Date: 12/22

Parts of a Cell Study Guide

Part I: Short answer

1. Name the 3 parts of the cell theory (why cells are important):
 1. Cells are the smallest units of life.
 2. All living things have cells.
 3. Cells responsible for function & shape (producing other cells).
2. Cells are the smallest units of life
3. Are organelles alive? no
4. What is a one-celled organism called? microorganism or unicellular organism
5. How is an organelle similar to an organ? They both perform specific functions.
6. Cells arrange themselves to form tissues which come together to form organs, which form organ systems and finally form organisms
7. Which instrument did we use to view microorganisms or organisms not visible to the "naked" eye? microscope
8. What are the 8 levels of organization starting with the SMALLEST:
(Russian Dolls)
 1. atoms
 2. molecules
 3. organelles
 4. cells
 5. tissues
 6. organs
 7. organ systems
 8. organisms