Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**TOPIC 2: Cells and Cellular Organization**

*Please use the Khan Academy Parts of a Cell video to guide you*

1. What structure defines a cell? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What do we a call an organism that does have a nucleus? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   What do we call an organism that does not have a nucleus? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What are two examples of prokaryotes? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What are three types of eukaryotes? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Ribosomes help to make \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for the cell
6. The fluid in the cells is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (aka cytoplasm)
7. The Endoplasmic reticulum connects to the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Bodies
8. The section of the Endoplasmic Reticulum with attached ribosomes is called the \_\_\_\_\_\_\_\_\_\_\_ ER  
   The section of the Endoplasmic Reticulum without ribosomes is called the \_\_\_\_\_\_\_\_\_\_\_ ER
9. When a protein leaves the Golgi Bodies, what does it take with it? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
   This piece will help it float around in the cell and fuse with the cell membrane.
10. What items could be stored in a vesicle? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. Lysosomes and lytic vacuoles do what? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. What **is** an organelle? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. Where do we turn sugars into ATP? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. What do plants use for photosynthesis? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. What do filaments do? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

