

TOPIC 2: Cells and Cellular Organization

Please use the Khan Academy [Parts of a Cell](#) video (compliments of Council Rock High School) to guide you. This video can be found at <http://www.crsd.org/Page/31715>

1. What structure defines a cell? _____
2. What do we 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? _____

