

Crash Course Biology: The Animal Cell – Eukaryopolis

1. What makes a eukaryotic cell and eukaryotic cell?
2. How is not having cell wall an advantage to animals?
3. Who “discovered” cells and when did he do it?
4. Why do we often compare cells to a city?
5. Using the analogy of a cell city, what part of the city are each of the following organelles?
 - a. Plasma Membrane _____
 - b. Cytoplasm _____
 - c. Smooth Endoplasmic Reticulum _____
 - d. Rough Endoplasmic Reticulum _____
 - e. Ribosome _____
 - f. Golgi Apparatus _____
 - g. Lysosome _____
 - h. Nucleus _____
 - i. Mitochondria _____
6. Explain the origins of mitochondria in the cell.
7. What is mitochondrial DNA and what does it provide evidence of?