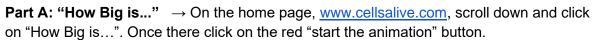
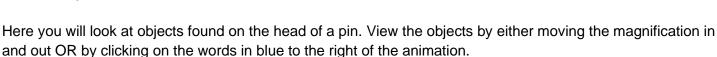
Cells Alive Webquest

Website: www.cellsalive.com

Objective: Today you will look at computer models of different cells, including the animal and plant cells we have been studying in class. You will learn more about the functions and descriptions of the cells and their components (parts). Follow the directions below for each section.

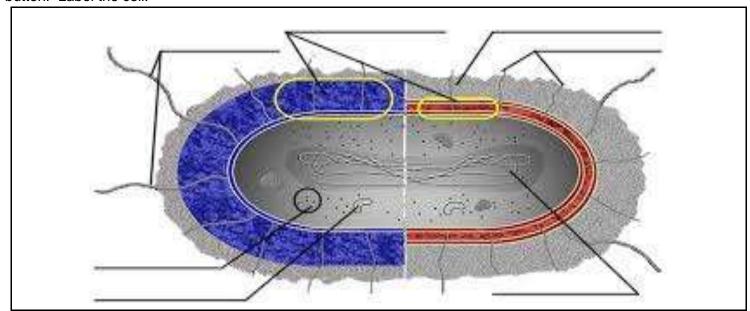




1.	What color is ragweed pollen?	
2.	Sketch the Ebola virus:	

- 3. Which is larger (circle one): E. Coli or Red Blood Cells
- 4. What units would you use to measure a virus (circle one)? (nanometers micrometers millimeters)
- 5. What units would you use to measure a red blood cell (circle)? (nanometers micrometers millimeters)

Part B: "Interactive Cell Models -Bacteria" → On the home page, <u>www.cellsalive.com</u>, scroll down and click on "bacteria" under the "Interactive Cell Models" image. Once there, click on the red "start the animation" button. Label the cell:



Part C: "Interactive Cell Models-Animals"

→ On the home page, <u>www.cellsalive.com</u>, scroll down and click on "plant/animal" under the "Interactive Cell Models" image. Once there, click on the red "start the animation" button. Select "animal cell", you will need to "click" on the organelles and parts of the cell to find the information about those parts. <u>Answers to the questions are in the reading.</u>

1. What is the function of the mitochondrion?	Sketch each of the following:	
2. How big are mitochondria?	Mitochondria:	
3. What does the Golgi do?		
4. What is the difference between the Smooth and Rough Endoplasmic Reticulum? (DO NOT PUT ONE IS SMOOTH AND ONE IS ROUGH)	Lysosome:	
5. Where is the nucleolus found?	Golgi Apparatus:	
6. What does the nucleolus do?		
7. What does the cytoskeleton do?	Davish & Creath Fridaylassia Daticulus	
8. What is the collective name for the cytosol and organelles?	Rough & Smooth Endoplasmic Reticulum:	
9. What is the function of the cytosol?		
10. What is the function of the lysosome?		
10. What is the function of the lysosome?		

Part D: "Interactive Cell Models-Plants"

→ On the home page, <u>www.cellsalive.com</u>, scroll down and click on "plant/animal" under the "Interactive Cell Models" image. Once there, click on the red "start the animation" button. Select "plant cell", you will need to "click" on the organelles and parts of the cell to find the information about those parts. <u>Answers to the questions are in the reading.</u>

1. What other type of cell, besides plant, has a cell wall?	Sketch the following:
2. What makes the plant cells green?	Chloroplast:
3. In plant cells, what does the vacuole do?	
4. Name 3 parts found in a plant cell that are also found in an animal cell.	Vacuole: