

Looking Inside Cells 3.2

Date _____

Last Name _____ First _____ Period ____

1. What is the title of this presentation. _____

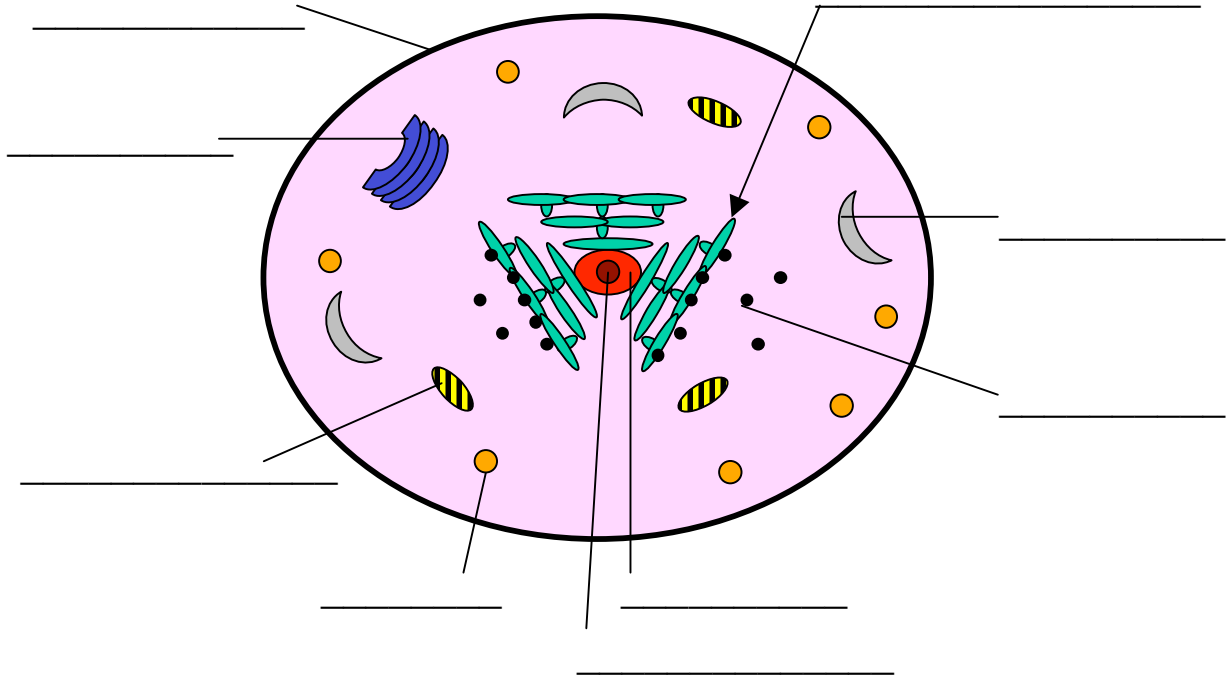
2. Watch the video and answer the questions
 - a. What are all living things made of? _____
 - b. True or false? If you look inside different kinds of body cells, you would find the same kinds of structures. _____
 - c. What structure inside the cell holds the DNA instructions for life? _____
 - d. What kind of things move in and out of cells? _____
 - e. What does the cell do with the raw materials it needs? _____
 - f. How does the body produce new cells? _____

3. What are the 3 major parts of the animal cell?
 - a. _____
 - b. _____
 - c. _____
 - d. Describe the function of the major parts of the cell by completing the table below.

Major Cell Part	Function
Cell Membrane	
Cytoplasm	
Nucleus	

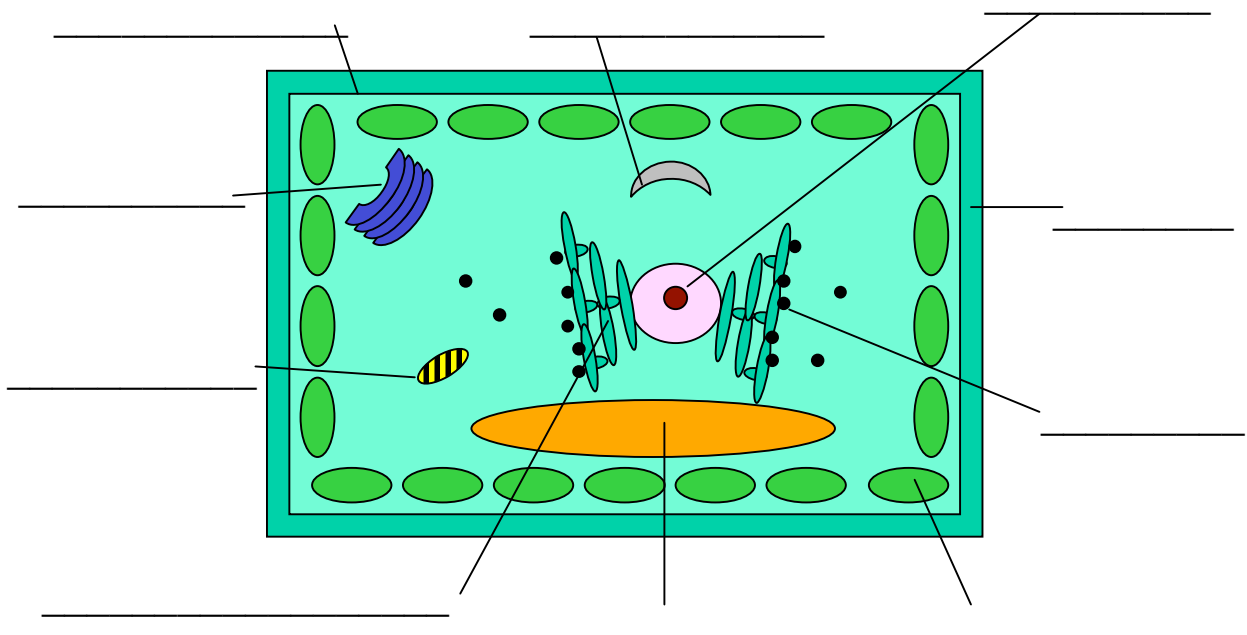
4. Label the animal cell.

Animal Cell



6. Label the plant cell.

Plant Cell



7. Why is the cell membrane referred to as the “shipping and receiving dock” ?

_____ in the cell membrane control _____ coming ____ and _____ of the cell.

8. Describe the structure function of parts found inside the nucleus?

STRUCTURE	FUNCTION
1.	
2.	
3.	

9. Watch the video. Answer the questions.

a. How long ago were tiny organs found in the cytoplasm of a cell? _____

b. What was the name given to these tiny organs? _____

10. What are the 3 basic functions of the organelles inside the cytoplasm?

a. Produce _____

b. _____ and transport materials.

c. Store and recycle _____

11. What organelle is referred to as the “energy power house?” _____

a. Mitochondria produce _____ for the cell.

b. Mitochondria have their own _____ and they reproduce inside the cell.

c. Which would have more mitochondria? Muscle or skin cells? _____

12. What organelle is referred to as the “transportation highway?”

a. It _____ proteins and other needed substances to different cell parts.

b. It carries excess _____ away from the cell.

13. What organelle is referred to as the “protein factory?” Why? _____

14. What organelle is referred to as the “mail room?” Why? _____

15. What organelle found in plant cells functions to absorb sunlight for photosynthesis?
What color are they?

16. What organelle is referred to as the “cell’s storage area” What are the things that are stored in them?

a. They store _____ and _____

b. How do vacuoles in plant cells differ from vacuoles in animal cells? _____

c. What happens if the vacuoles in plant cells get low on water? _____

17. What organelle is referred to as the “cell’s stomach?” Why?

18. What is a bacterial cell and how does it differ from a plant or animal cell?

19. Why are cells in multi-cellular critters called specialized cells?