Name _____ Class _____ Date _____

7.2 Cell Structure Review WS A

Lesson Objectives

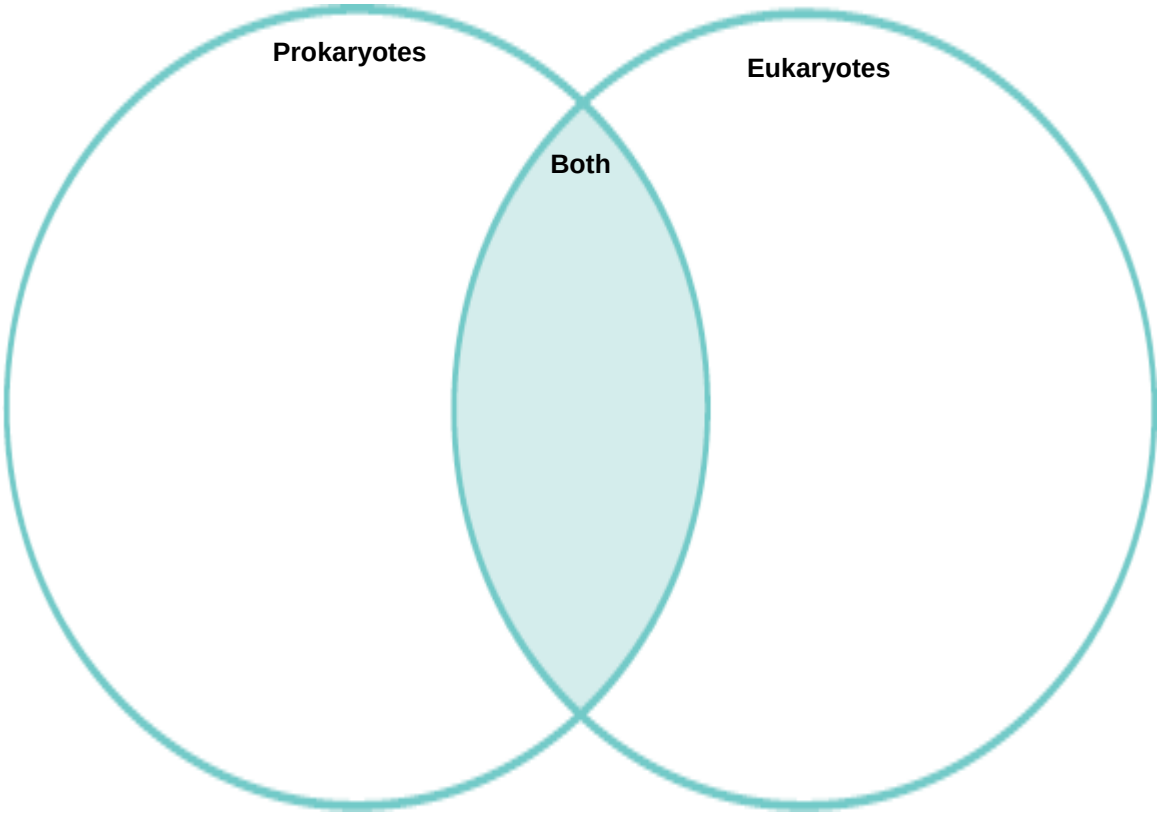
- Describe the structure and function of the cell nucleus.
- Describe the role of vacuoles, lysosomes, and the cytoskeleton.
- Identify the role of ribosomes, endoplasmic reticulum, and Golgi apparatus in making proteins.
- Describe the function of the chloroplasts and mitochondria in the cell.
- Describe the function of the cell membrane.

BUILD Understanding

Venn Diagram A Venn diagram is made up of overlapping circles. It is a useful tool for comparing two or even three topics.

Use terms from the box to complete the Venn diagram.

cell membrane	**cytoskeleton**	**mitochondria**
cell wall	**DNA found in cytoplasm**	**nucleus containing DNA**
centriole	**endoplasmic reticulum**	**ribosome**
chloroplast	**Golgi apparatus**	**vacuole**
cytoplasm	**lysosome**	



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Cell Organization

An organelle is a specialized cell structure. Each organelle functions in a different way. All of the organelles help the cell carry out life processes.

Use the terms in the box to write the name of the organelle underneath its picture.

endoplasmic reticulum	**Golgi apparatus**	**mitochondrion**	**nucleus**

Organelle	Function
 _____	
 _____	
 _____	
 _____	

BUILD Connections

The Cell As a Living Factory An analogy takes two things that seem to be different and shows how they can be similar.

1. If the cell were a factory, what part would serve as the main office? _____
2. Which cell part would provide electricity? _____
3. With a partner, discuss how the actions of the forklifts are related to actions in cells. _____

_____

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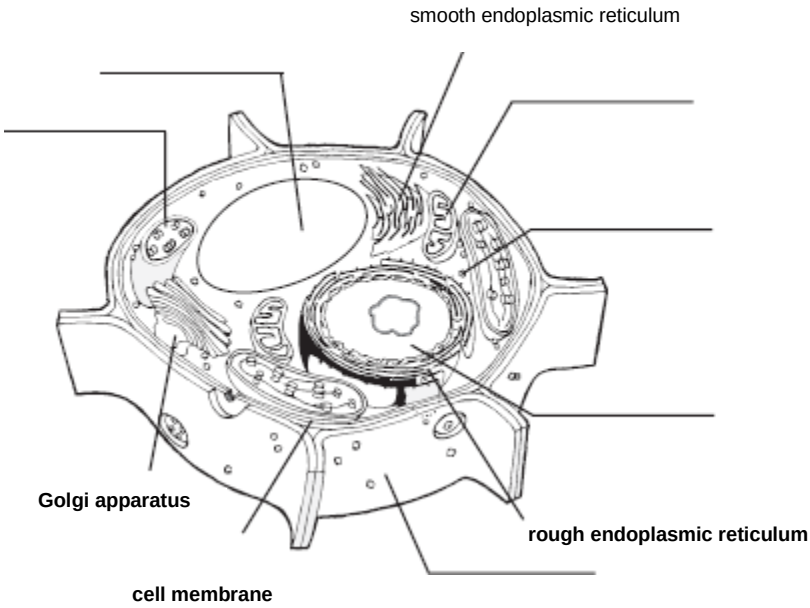
Cell Organization

Follow the directions.

1. Use the words below to label the plant cell. Some structures have been labeled for you.

cell wall	**mitochondrion**	**ribosome**
chloroplast	**nucleus**	**vacuole**

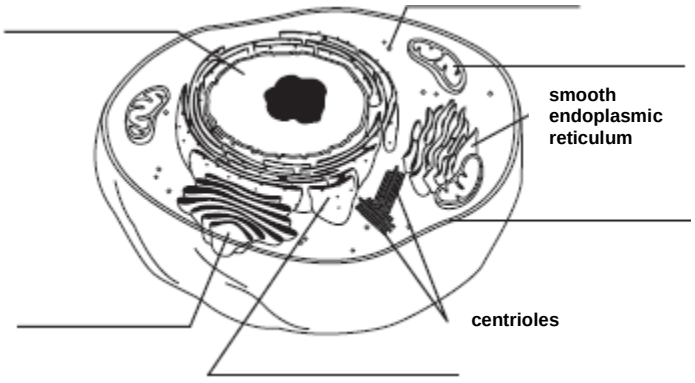
Plant Cell



2. Use the words below to label the animal cell. Some structures have been labeled for you.

cell membrane	**mitochondrion**	**rough endoplasmic reticulum**
Golgi apparatus	**nucleus**	**ribosome**

Animal Cell



Use the diagrams to answer the questions.

3. Which structure is found in a plant cell but not in an animal cell? Circle the correct answer.

chloroplast cell membrane ribosome

4. What is the main function of vacuoles? _____