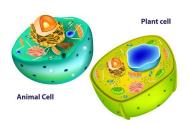
Cell Model Project

Name: Date: Block:

Objective: To create a model of either an animal or plant and discuss the function of each organelle.

Animal and plant cells are both eukaryotic cells that contain a number of structures called organelles. Each organelle is responsible for specific and unique functions that allow the cell to survive, grow, and replicate. In this activity, you will be creating a model to visually depict organelles and discuss their roles in a cell.



Due da	ate:										

Choose one of the following:

Option 1: Create a pop up

- Choose either an animal cell or a plant cell
- Using a large piece of paper, draw a diagram of either an animal cell or a plant cell. Be sure to include the organelles listed below
- Create small pop ups for each organelle
- In the pop up, name the organelle, discuss its function, and include a fun fact about the organelle
- Be sure to colour and fine line the diagram

Option 2: Create a cell wheel

- Choose either an animal cell or a plant cell
- Draw a diagram of the cell. Be sure to include the organelles listed below
- Number each of the organelles from 1 − 10
- Construct your cell wheel
- Name the organelle and discuss its function in one flap
- Include a fun fact about the organelle in the second flap
- Be sure to colour and fine line the diagram and the cell wheel

Option 3: Create a 2-dimensional model

- Choose either an animal cell or a plant cell
- Using construction paper or recyclable material, construct a model of the cell. Be sure to include the organelles listed below
- Number each of the organelles from 1 − 10
- On a separate piece of paper, name the organelle, discuss its function, and include a fun fact about the organelle

Option 4: Create an analogy

- Imagine that a cell is like a house, a school, a mall etc.
- Brainstorm which parts of your analogy represents each of the organelles listed below
- All organelles must be represented and labeled.
- Draw out each analogy
- Briefly discuss what each organelle represents in your analogy (The nucleus is like the principal in a school because...)
- Display your knowledge visually on an 11x14 sheet of paper.

The following organelles n	eed to be included in	n your assignment:	
 Nucleus 		 Vacuoles 	
 Cell membrane 		 Endoplasmic Reticulum 	
 Mitochondria 		 Golgi body 	
 Cytoplasm 		 Lysosome 	
 Ribosomes 		 Vesicles 	

Rubric:

	Emerging	Developing	Proficient	Extending
Content	Content is inaccurate and/or incomplete.	Some required elements are missing and/or incomplete.	All required content is included.	All required content is included.
	Text is copied/not written in the student's own words.	Some explanations are lacking detail and/or not presented clearly.	Information is easy to follow and understand. Content is mostly accurate.	Information is accurate, detailed, and well-explained.
			Some explanations may lack detail and/or may not be presented in a logical order.	
Design	Visual lacks picture, clarity, and is disorganized.	Design is a bit disorganized and a rushed effort has left the assignment	Design is creative and attractive.	Design is extremely detailed, neat, and creative.
	Design is incomplete and/or is not colourful.	unorganized and hard to follow.	Supportive pictures are included.	Information is highly organized.
	Organelles are not labelled and it is difficult to understand what each	A few pictures are included.	Many colours used. Most labels are included.	Many pictures and colours are used.
	diagram is being represented as.	Some colours are used, however, more polishing of the final assignment could be done		Colour and visuals work together to grab your attention.
		Some labels are included		Labels are included to accurately depict each organelle.