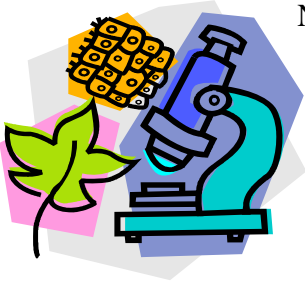


Name _____ Hr. _____ Date _____



6-SCA2 Culminating Activity Questions

Think about how the cell operates as a system and answer the following questions in complete sentences.

- 1. Cells need energy to work. Explain where the energy comes from.**
- 2. The cell operates as a system. What is produced when this system is working?**
- 3. Can any one part of this system do what the whole system does? Explain your response.**
- 4. Identify at least two parts of this system that must interact and describe how they work together.**
- 5. Describe how the function of this system would change if any part wears out.**

Cell Function Chart (* Organelles with a star may not be in your type of cell.)

The system I will design is a _____ based upon a _____ cell.

#1 Cell Organelle	#2 Function of the Organelle	#3 Corresponding Part	#4 Explain the Connection Between #1 and #3
Nucleus			
Mitochondria			
Lysosome *			
Cytoplasm			
Vacuole			
Cell Wall *			

#1 Cell Organelle	#2 Function of the Organelle	#3 Corresponding Part	#4 Explain the Connection Between #1 and #3
Endoplasmic Reticulum			
Golgi Body			
Nucleolus			
Chloroplasts*			
Chromatin			
Cell membrane			
Ribosomes			