

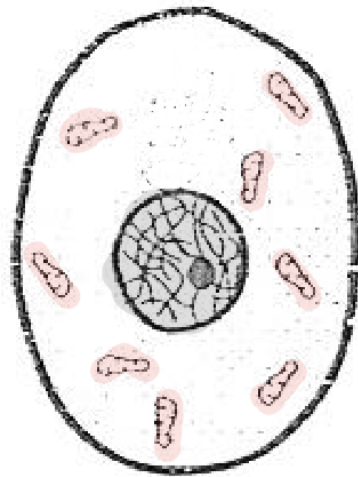
Cell Analogy Assessment Task:

V4

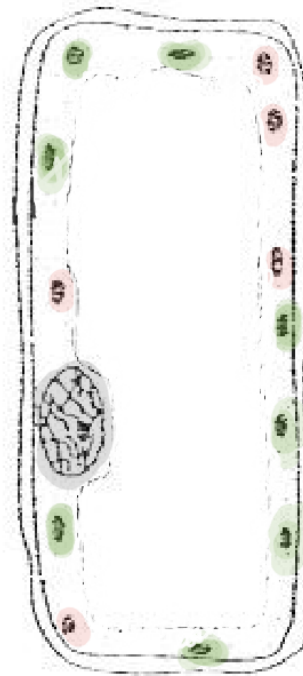
Name: _____

Part 1: Label the following cell parts in the diagram below. If parts are found in more than one cell, they should be labeled in each cell.

1. Cell Wall
2. Cell Membrane
3. Nucleus
4. Mitochondria
5. Chloroplast



animal cell



plant cell

Part 2: Create an analogy to a cell:

1: In Column 2 state how each of the following parts contribute to the function of the cell as a whole: nucleus, cell membrane, cell wall, mitochondria, chloroplasts.

2: In Column 3 state the matching parts of your analogy and how they function as part of your analogy as a whole. Make sure the parts of your analogy function together the same way the cell parts function together.

What is your analogy? _____

Column 1	Column 2	Column 3
Cell Structure	Explain in your own words what this cell part does to contribute to the function of the cell as a whole? Be as specific as you can be. *For the cell membrane and cell wall, also describe how the structure of the cell part contributes to its function.	State the matching parts of your analogy and how they function as part of your analogy as a whole.
Nucleus		
Cell membrane*		
Cell wall*		
Mitochondria		
Chloroplast		

Part 3: Evaluate your analogy. It is likely your analogy is not a perfect analogy of a cell. What in your analogy does not function the way that you would like it to?

Part 4: Is the cell a system? What are the reasons for your answer?