

Cell Analogy Project

Name _____

Your task is to compare the parts of a cell to a real life situation.

Analogy examples:

| | | |
|-------------|-----------------|----------------------------------|
| Sports team | Video Game | Restaurant |
| Mall | Airport | School |
| Government | Office Building | Armed Forces |
| Zoo | Household | Your choice (clear with teacher) |
| City | | |

Required comparisons (minimum of 8)

Control center- Nucleus

Boundaries- Cell wall/membrane

Energy- Mitochondria

Choose 5 others: lysosome, endoplasmic reticulum, cytoplasm, ribosomes, vacuole, chloroplast

Task:

Create a diagram showing your comparison of a real life situation with parts of the cell. Discuss how the two comparison relate based on function.

Sample analogy: The nucleus : A teacher in a classroom is like the nucleus of a cell. A teacher is the director of all the activities in a classroom just like the nucleus is the control center of the cell that directs all activities within the cell.

You MUST write about the function of EACH organelle and how the real life item functions compared to the organelle. All writing should take place in your poster. Please color your posters if you are able to (this should be done as the last step).

___/ At least 8 organelles represented

___/ Description of the real life item

___/ Comparison of the real life item to the organelle

___/ Presentation demonstrating knowledge of poster/organelles/real life

