

Protein Power

Name _____

Part 1: Complete this section using the class notes.

1. What is created during protein synthesis? _____
2. What molecules make up proteins? _____
3. Where does protein synthesis take place in a cell? _____
4. Where are the instructions for creating proteins? _____
5. What does each type of RNA do?
mRNA - _____
tRNA - _____
6. Why is this process important? _____
7. Identify the items or areas of the room that are used to represent each of these parts of the game.

Cell - _____

Cell Parts - _____

Nucleus - _____

Amino Acids - _____

Protein - _____

Cell Membrane - _____

Part 2: Complete this section as you play the game. You cannot be the same organelle or part more than once.

Cell Part	Game Tasks

Part 3: Complete this section after you have completed the game.



What type of cell did your class represent? Why?

What was the easiest role you had? Explain.

What was the hardest role you had? Explain.

How successful was your class in their role as a cell? Explain.

Part 4: Label the Cell City diagram using the what you know about the organelles listed below.

- 1) Cell Wall
- 2) Endoplasmic Reticulum
- 3) Golgi Body
- 4) Lysosome
- 5) Mitochondria
- 6) Nucleus
- 7) Ribosome
- 8) Vacuole

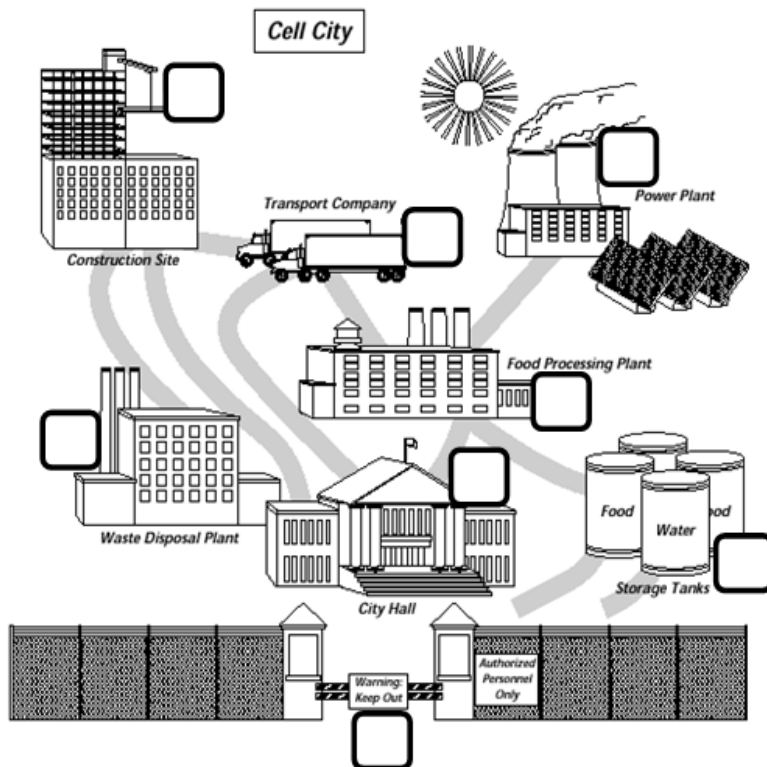
What could be included in the diagram for these organelles?

Cell Membrane

Chloroplasts

Nucleolus

Chromatin



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