

Comparing a cell to a factory

Name:

Due: Next class

1. Identify the following factory jobs to the organelles found in a cell. Write a brief description of the function of the organelle in the cell.

Job in the factory	Cell Organelle	Function of the organelle
Shipping/Receiving Department		
The boss' office		
Factory Floor		
Assembly line (where workers do their work)		
The workers IN the assembly line		
Maintenance clean up crew		
The security barrier		
Power plant		
The workers that move the goods out from the factory		
The computer where all the crucial information is stores		

Your second task – Be Creative!

Now you know the cell organelles and have compared it to a factory, create your own “factory example” by using another similar system structure.

Report your “example” by writing on the board so no other classmate can use the same one.

In your example, you are to include the following organelles and describe how their function relates to the organelle’s function.

1. Nucleolus
2. Nucleus
3. Cytoplasm
4. Cell membrane
5. Mitochondria
6. ER (Both smooth and rough)
7. Ribosomes
8. Vacuole
9. Lysosomes
10. Golgi Apparatus

Assessment:

Task 1: Correct identification of factory jobs to organelles	/3
Description of the organelle’s function	/1

Task 2:

Original example of your own “factory jobs”	/9
Creativity in your example	/2

Total: /15