

Cell Organelles Assignment & Presentation

You must work in pairs for this project.

1. With the aid of the teacher, decide on an available topic from the list below:

- a) Cell Membrane/Vacuole
- b) Vesicle/Lysosome
- c) Rough and Smooth Endoplasmic Reticulum & Ribosomes
- d) Mitochondrion
- e) Chloroplast
- f) Nucleus/Nuclear Envelope/Nucleolus
- g) Golgi complex (a.k.a.: ...body, and ...apparatus)
- h) Flagella/Cilia/
- i) Microtubules/Microfilaments/Centrioles
- j) Cell Wall
- k) Cytoplasm

2. You will be required to hand in one page of information which must include:

- a) The title of your topic
- b) Your name(s)
- c) A brief description (at least $\frac{1}{2}$ of a page) and a labelled diagram(s) of the organelle. There must be at least 3 diagrams and 1 of those must be hand-drawn.
- d) Any other interesting details that you can find (historical background, who first discovered it, other organisms that have the same organelle and use it in a different way, etc.)
- e) A bibliography including at least 5 sources (2 of the sources must be books or periodicals)

3. Your presentation will consist of:

- a) Presenting the organelle(s) to the class.
- b) A 6-point summary of the organelle that the other students can put in their notes (overhead or board-notes are acceptable)
- c) Acting out the function of the organelle in a creative way, or finding a model of the organelle which will aid in the understanding of the structure and function of the organelle.
- d) At least 3 diagrams of the organelle. (1 must be hand drawn)

Due Date: _____

Cell Assignment and Presentation Rubric

Presentation:

Category	Level 1	Level 2	Level 3	Level 4
Content	Two items on level 2 were missing.	Less than 6 points were given and/or there were 6 points, but they were not very organized and/or were not explained.	6 points were given about the cell organelle. The points were well organized and explained.	6 points were given about the cell organelle. The points were extremely well organized and explained with great detail.
Acting out role/Model	Student(s) showed a model or acted out organelle function and or structure with little creativity or enthusiasm.	Student(s) shoed a model or acted out organelle function and/or structure, but it did not really aid in the learning of the organelle.	Acting/model aided in the learning of the function and/or structure of the organelle.	Acting/model aided in the learning of the function and the structure of the organelle and was very and/or was very creative.
Diagrams of Organelle	Students presented less than 3 diagrams.	Student presented 3 diagrams, but they did not really know what they meant and/or the diagrams one or more of the diagrams did not aid in the learning of the organelle and/or one of the diagrams was not hand-drawn.	Students presented 3 diagrams (one of which was hand-drawn) during the presentation. The diagrams aided in the learning of the organelle structure and function.	Students presented 3 or more diagrams (one of which was hand-drawn) during the presentation. The diagrams were very easy to understand and were labelled to aid in the learning of the organelle structure and function.
Creativity/ Effort	Presentation was very disorganized and/or it was clearly evident that the students did not put a lot of work into their presentation.	Students were a bit unorganized and/or read from a piece of paper and/or the students did not appear to know about the organelle that they were researching.	Students were well organized and creatively put the presentation together. Students did not read off of a sheet, but knew the information about the organelle.	Presentation was very easy to listen to and was extremely well organized. It was clearly evident that the students put a lot of work into their presentation. Presentation was very creative.
Audio/Visual	Presenters made little or no eye contact and/or it was very difficult to understand and hear what they were saying.	Presenters made little eye contact and/or were not clearly audible at all times.	Presenters made eye contact with the people that they were presenting to and were clearly audible.	Students were clearly audible and made frequent eye-contact with the people that they were presenting to.

Cell Assignment and Presentation Rubric (Part 2)

Category	Level 1	Level 2	Level 3	Level 4
Content (X3)	The written portion of the assignment is less than $\frac{1}{2}$ of a page and/or is terribly disorganized and/or does not describe the organelle(s) structure and function completely.	The written portion of the assignment is less than $\frac{1}{2}$ of a page and/or the description, organization, and explanation are not very organized and/or concise.	The written portion of the assignment is at least $\frac{1}{2}$ of a page. The paragraphs of description and explanation are organized, complete and concise.	The written portion of the assignment is at least $\frac{1}{2}$ of a page. The paragraphs of description and explanation are incredibly organized and are very easy to read. The student(s) have made the written part concise, with full explanations. The student(s) went beyond what was expected in the knowledge that they gave.
Diagrams (X2)	The assignment included less than 2 diagrams and/or one of the diagrams was not hand-drawn.	The assignment included less than 3 diagrams and/or one of the diagrams was not hand-drawn.	The assignment included 3 diagrams (one of which was hand-drawn). The diagrams were useful in explaining the structure and/or function of the organelle(s).	The assignment included 3 exceptional diagrams (one of which was hand-drawn). The diagrams were very useful in understanding the structure and/or function of the organelles.
Bibliography	The bibliography had less than 5 sources and was very disorganized and not in proper format.	The bibliography listed less than 5 sources and/or 2 were not from books or periodicals and/or was not in proper format.	The bibliography listed 5 sources (2 of which were from books or periodicals).	The bibliography listed 5 or more sources (2 of which were from books or periodicals). The bibliography was complete, organized and contained academic sources.