

ADVANCED BIOLOGY

Cell Organelle Presentation

This assignment asks you and a partner to present the important features of one eukaryotic cell organelle. An excellent diagram illustrating these organelles is found in our text on pages 100-101. See [Cell Structure & Function Introductory Video](#)

Although Chapter 6 discusses the structure and function(s) of organelles, realize that many of the cell structures also appear in chapters that focus on the processes performed by the organelle. You will find a seemingly endless supply of useful information online, including video of relevant cell processes. In addition, Mr. Weiss' text cabinet houses an impressive array of biology and molecular biology books, which can supplement the information obtained in Campbell & Reece.

Your presentation should last approximately 15 minutes in length.

The information shared should address the following questions:

Note the small number of additional questions, specific to the structure/function of each cell organelle.

- ***What is the structure of this organelle?***
- ***How does the structure of this organelle contribute to the performance of its functions(s)? Make clear how the execution of function aids the cells and / or organisms in which the organelle is found.***
- ***Is this organelle found in large quantities in specific tissues or within specific groups of organisms?***
- ***How can the organelle be compared either structurally or functionally with a "real world" example? The connection between your example and the organelle studied should be clear to your audience.***
- ***3 multiple choice exam questions that assess students understanding of your presentation***

A small amount of in-class research time will be provided to allow your work to "get off the ground" under your teacher's guidance.

The first presentations will begin Thursday September 30th.

Regarding presentation slides:

- Each slide should include overview points being made, as well as at least one visual aid.
- Links to videos should state the topic (or video title), and not exceed a few minutes.
- Sources need to be cited for both oral & visual information on the slide immediately when used;

Creativity is encouraged in your presentation, but not at the expense of your classmates' understanding of the material. Participation in your classmates' presentations is expected.

Additional expectations regarding your work include:

- A handout of summary notes in order to allow the class to be more engaged in your presentation;
- A depth of content in line with the expectations of an Advanced Biology course;
- References to your notes, *without continuous reading to the class*, showing a reasonable comfort level with the material you have learned.