

The Body Parts of Cells

Subject Area	Cells and Heredity
Age or Grade	8 th
Estimated Length	50 minutes (one class period)
Prerequisite knowledge/skills	The students should have had an introductory lesson on cells and the cells theory. They should know the difference between single-celled and multi-celled organisms.
Description of New Content	This lesson introduces them to the cell organelles and their functions, as well as defining the differences between animal and plant cells.
Goals	Each student should understand the function of the major cell organelles. Each student should be able to write a paragraph explaining the difference between plant and animal cells and should be able to identify pictures of each kind of cell.
Materials Needed	Posters (hand-made) of a plant cell and an animal cell. Note cards indicating a cell organelle with Velcro on the back so that it can stick the poster and the appropriately labeled spot.
Procedure	<p>Development- Divide students into groups (group size varies depending on size of class). Each student gets an organelle handout (see references) and each group gets 3 or 4 organelle note cards.</p> <ol style="list-style-type: none"> 1. As a group, the students will have to determine if their organelle is present in an animal cell, a plant cell or both (write on the line in front of the organelle on the handout). Furthermore, students need to write 1-3 sentences about the organelle and its function in the cell. (15-20 minutes) 2. Come back together as a class and have each group report their findings in front of the class so that each student has a completed organelle handout by the end of

	<p>class. Have one person put the note card on the poster in the correct spot, 1 or 2 people write their 1-3 sentences on the board, and a final person read their sentences aloud for each organelle.</p> <p>Closure- From the newly filled out worksheet have students discuss the similarities and differences between animal and plant cells.</p>
Evaluation	Have students label a handout version of the animal and plant cells poster for homework.
References	See Organelle Worksheet on the Homepage.