

**Topic:** Cell Organelles Worksheet - Plants

**Summary:** Students review the functions and processes of the different plant cell organelles.

**Goals & Objectives:** Students will be able to define the functions and processes of the different eukaryotic cell organelles.

**Time Length:** 10 minutes

**NGSS Standards:** *MS-LS1-2.* Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function.

**Materials:**

Class notes or textbook or online textbook

- <https://flexbooks.ck12.org/cbook/ck-12-biology-flexbook-2.0/section/2.9/primary/lesson/plant-cell-structures-bio/>

**Prerequisite Knowledge:** None.

**Procedures:**

1. Give the students their lecture notes.
2. Tell the students which section they are to use in the textbook. Students are then going to read the section and answer the questions on the worksheet using their notes and the textbook.

**Accommodations:** Students with an IEP can take the handout home if they need extra time.

**Editable DOCX File and Answer Key:**

Available at [www.ngsslifescience.com](http://www.ngsslifescience.com)

## Cell Organelles Worksheet - Plants

Word Bank:

Mitochondria	Cell Membrane	Nucleus
Vacuole	Ribosome	Chloroplast

*Fill in the blanks using the words above.*

1. What organelle has most of the DNA in the cell? \_\_\_\_\_
2. What organelle makes ATP energy for the cell? \_\_\_\_\_
3. What organelle makes proteins? \_\_\_\_\_
4. What organelle stores water, food, and nutrients? \_\_\_\_\_
5. What organelle makes sugar for a plant cell? \_\_\_\_\_
6. What controls the movement of materials into and out of the cell? \_\_\_\_\_
7. What organelle converts sunlight energy into chemical energy? \_\_\_\_\_
8. Below is a model of a eukaryotic plant cell. Draw lines and label the nucleus, chloroplast, ribosome, vacuole, cell membrane and mitochondria.

