

Cell Biology
Organelles Part 2

Name: _____
Period: _____

Use Chapter 4, Section 2 of your textbook to answer the questions below. The word bank can be used to fill out the sentences below.

bubble chlorophyll chloroplast digest digestion energy green photosynthesis
proteins vesicle water

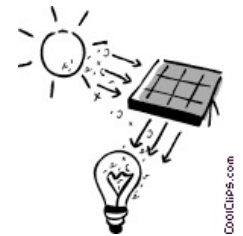
Section 2: Eukaryotic Cells
Mitochondria (p.124)

1. In a cell, the mitochondria are the organelles that break down sugar to release _____.
- _____ 2. Where does a cell store the energy it needs to do work?
a. in the Golgi complex b. in DNA c. in the membrane d. in ATP



Chloroplasts (p.124)

3. The organelle plants use to make their own food is called a _____.
4. Plant cells use sunlight to make food in a process called _____.
5. Inside a chloroplast, _____ traps sunlight to make sugar.
6. Look at Figure 7. What color is chlorophyll? _____



Golgi Complex (p.125)

7. The Golgi complex packages and moves _____ into and out of the cell.
8. The membrane of the Golgi complex pinches off to make a small _____.



Cell Compartments (p.125)

9. A sac called a _____ surrounds material to be moved into or out of a cell.



Lysosomes (p.126)

- _____ 10. Where are lysosomes mostly found?
a. in plant cells b. in algae cells c. in animal cells d. in prokaryotic cells
11. Lysosomes do the job of _____ inside a cell.
- _____ 12. Which of the following jobs is NOT done by lysosomes?
a. They digest damaged organelles. c. They digest foreign invaders.
b. They digest waste materials. d. They digest DNA.



Vacuoles (p.126)

13. Vacuoles sometimes help plant and fungal cells to _____ things.
14. What does the large central vacuole store in plant cells? _____

