

Cell Biology

Organelles Part 2

Name: _____

Period: _____

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

bubble chlorophyll digestion energy photosynthesis
plant cells 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. What is one way plant cells are different from animal cells?
a. Only plant cells have mitochondria. c. Plant cells cannot make food.
b. Only plant cells have a nucleus. d. Some plant cells make food.



4. Plant cells use sunlight to make food in a process called _____.

5. Inside a chloroplast, _____ traps sunlight to make sugar.

Golgi Complex (p.125)

6. The Golgi complex processes and transports _____ into and out of the cell.

7. The membrane of the Golgi complex pinches off to make a small _____.



Cell Compartments (p.125)

8. A _____ surrounds material to be moved into or out of a cell.



Lysosomes (p.126)

_____ 9. Where are lysosomes mostly found?
a. in plant cells b. in algae cells c. in animal cells d. in prokaryotic cells

10. Lysosomes do the job of _____ inside a cell.

_____ 11. 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)

12. Vacuoles sometimes help _____ digest things.

13. What does the large central vacuole store in plant cells? _____

