Cell Structures Quiz (2.3)

Match the organelle with its function:

1. Makes proteins
2. Contains and protects DNA
3. Stores water
4. Packages containing proteins
5. Processes waste
6. Processes sunlight to generate energy
7. Generates energy
8. Makes, processes, and transports proteins
9. Packages and distributes materials within or out of the cell
10. Protects the cell and allows some materials to enter or exit the cell

(2 pts each = 20 pts)

1. \_\_\_\_\_\_\_\_ Lysosome
2. \_\_\_\_\_\_\_\_ Chloroplasts
3. \_\_\_\_\_\_\_\_ Mitochondria
4. \_\_\_\_\_\_\_\_ Nucleus
5. \_\_\_\_\_\_\_\_ Ribosomes
6. \_\_\_\_\_\_\_\_ Cell membrane
7. \_\_\_\_\_\_\_\_ Vacuole
8. \_\_\_\_\_\_\_\_ Golgi complex
9. \_\_\_\_\_\_\_\_ Endoplasmic reticulum
10. \_\_\_\_\_\_\_\_ Vesicles

What are 3 differences in organelles in the below plant and animal cell? (6pts)

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. (16 pts) Label the following in the above picture.

If it occurs in both cells then label it in both cells.

If it occurs in only one type of cell then only label it in the appropriate cell.

* 1. Cell wall
  2. Large central vacuole
  3. Golgi complex
  4. Endoplasmic reticulum
  5. Lysosome
  6. Nucleus
  7. Chloroplast
  8. Mitochondria

1. (2 pts) What is the difference between a prokaryotic cell and a eukaryotic cell?
   1. A prokaryotic cell has a nucleus and a eukaryotic does not
   2. A eukaryotic cell has a nucleus and a prokaryotic does not.
   3. A eukaryotic cell is living and a prokaryotic is not
   4. A prokaryotic cell is living and a eukaryotic is not
   5. Both are the same there is no difference
2. (3 pts) Are plant an animal cells prokaryotic or eukaryotic?
   1. Animal cells are prokaryotic and plant cells are eukaryotic
   2. Animal cells are eukaryotic and plant cells are prokaryotic
   3. Both are prokaryotic
   4. Both are eukaryotic

Why did you pick your answer above?

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