



Name: _____ Class: _____

Functions of the parts of a plant cell

1. What is the role of the cytoplasm in a plant cell ?
 - a. contains genetic material
 - b. area where most chemical processes take place
 - c. controls activities of the cell
 - d. controls movement of substances into and out of the cell
2. Which part of a plant cell contains genetic material and controls the activities of the cell ?
 - a. chloroplast
 - b. cell membrane
 - c. cytoplasm
 - d. nucleus
3. The _____ is responsible for conducting photosynthesis.
 - a. nucleus
 - b. cell membrane
 - c. cell wall
 - d. chloroplast
4. What role does the mitochondrion play ?
 - a. provides the medium for chemical processes
 - b. traps sunlight during photosynthesis
 - c. controls the genetic materials of a cell
 - d. produce energy and regulate cellular metabolism
5. What is the function of the permanent vacuole ?
 - a. provides the medium for chemical processes
 - b. keeps the cell turgid
 - c. controls the genetic materials of a cell
 - d. produce energy and regulate cellular metabolism
6. Identify two differences between plant and animal cells.

7. There is no difference between plant and animal cells.

True ☐

False ☐
8. What role does the cell wall play ?

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