



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.  
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7. There is no difference between plant and animal cells.  
True   
False
  
8. What role does the cell wall play ?  
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