

Cell Structures and Their Roles



Name: _____ Date: _____

Use the material to work through each task. Show the requested response.

Parts of cells

The cell membrane regulates movement into and out of a cell. In many cells, the nucleus contains genetic information. Mitochondria help release usable energy from nutrients. Plant cells also have cell walls; photosynthetic plant cells have chloroplasts.

1. Which structure regulates entry and exit?

2. Which structure contains genetic information in the model described?

3. What role is given for mitochondria?

4. Name a structure described for plant cells but not animal cells.

5. Why does a cell need both a boundary and internal structures?

6. Must every plant cell contain chloroplasts?
