

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Cell Structure and Functions

Q1. Which part of the cell gives it shape?

Ans. \_\_\_\_\_  
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Q2. 'Cells are the basic structural units of living organisms'. Explain.

Ans. \_\_\_\_\_  
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Q3. Does the number of cells in an organism affect its functioning? Explain.

Ans. \_\_\_\_\_  
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## Cell Structure and Functions

Q1. Which part of the cell gives it shape?

Ans. Components of the cell are enclosed in a membrane. This membrane provides shape to the cells of plants and animals. Cell wall is an additional covering over the cell membrane in plant cells. It gives shape and rigidity to these cells. Bacterial cell also has a cell wall.

Q2. 'Cells are the basic structural units of living organisms'. Explain.

Ans. Both, bricks in a building and cells in the living organisms, are basic structural units. The buildings, though built of similar bricks, have different designs, shapes and sizes. Similarly, in the living world, organisms differ from one another but all are made up of cells. Cells in the living organisms are complex living structures unlike non-living bricks.

Q3. Does the number of cells in an organism affect its functioning? Explain.

Ans. The number of cells being less in smaller organisms does not, in any way, affect the functioning of the organisms. A single-celled organism performs all the necessary functions that multicellular organisms perform. An organism with billions of cells begins life as a single cell which is the fertilized egg. The fertilised egg cell multiplies and the number of cells increases as development proceeds.