

CELL - A BASIC UNIT OF LIFE

WORKSHEET - 1

Class 9

1. Name the smallest known cell.
2. Name the largest known cell.
3. Name the longest cell of the human body.
4. Name two unicellular animals.
5. Name two unicellular plants.
6. Name the three functional regions of the cell.
7. Name the two different parts of protoplasm.
8. Which type of animals cell lacks both mitochondria and endoplasmic reticulum?
9. What is the protoplasm?
10. How are cells produced?

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SOLUTION

1. Ans. Pleuro-Pneumonia like Organism (PPLO). It is about $0. \mu$ in diameter.
2. Ans. An ostrich egg cell is the largest known cell. It is about 170×135 mm in size.
3. Ans. A nerve cell is the longest cell of the human body.
4. Ans. Amoeba and paramecium.
5. Ans. Chlamydomonas and Euglena.
6. Ans. i) Plasma membrane. ii) Cytoplasm. iii) Nucleus
7. Ans. i) cytoplasm ii) Nucleolus (Nucleus).
8. Ans. RBCs (Red Blood Cell) of mammals
9. Ans. the protoplasm is the fluid substance of the cell. The term protoplasm was first coined by Purkinje in 1839.
10. Ans. The new cells are produced by division of existing cells.

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