



The Cell

Grade VIII

Worksheet

Multiple Choice Questions

1. Which one of the following is NOT a part of the nucleus?
A.ribosome
B.nucleolus
C.chromosome
D.gene
2. Which one of the following is a unicellular organism?
A.amoeba and paramecium
B.human
C.mouse
D.fish
3. The basic structural and functional unit of an organ is _____.
A.red blood corpuscle (RBC)
B.cell
C.kidney
D.renal tubule
4. Who among the following discovered cell?
A.Robert Hooke
B.Matthias Schleiden
C.Theodor Schwann
D.Rudolf Virchow
5. All the multicellular organisms start their life as a _____.
A.single cell
B.double cell
C.triple cell
D.without a cell

Match the Following:

- | | |
|-------------------------|----------------------------|
| 6. 1. Pseudopodia | a. Chloroplast |
| 2. Gene | b. Cytoplasm |
| 3. Jelly-like substance | c. Amoeba in cell membrane |
| 4. Chlorophyll | d. Mitochondria |

5. Rod-shaped structure

e. Chromosome in a cell

Answer the Following

1. Give any two examples of multicellular organisms.
2. Name any two cell organelles.
3. What is the substance used to see a cell under the microscope?
4. What does amoeba use for locomotion?
5. Define gene and its function.
6. What is a tissue?
7. What is nucleus? State the importance of the nucleus.
8. What is the function of the nuclear membrane?
9. Why is cell wall present in plant cells and not in animal cells?
10. What is chloroplast? Define the functions of the chloroplast.
11. Draw a diagram of Onion peel, as observed under a microscope, and label its basic components.
12. Draw a labelled diagram of an animal cell.
13. Why is a cell membrane important to a cell?
14. Draw a labelled diagram of human cheek cell.
15. Define Plastids.
16. Define cell. Explain the variety in cell number, shape and size.
17. Write short notes on the following:
 - a. Cytoplasm
 - b. Nucleus
18. State any three differences between plant and animal cell.