

WORK SHEET
SUBJECT- SCIENCE
Chapter:- The Cell

CLASS- VIII

I. Fill up the blanks:

1. The lens of the microscope close to the specimen placed on stage is called _____.
2. A specimen is usually _____ before being viewed.
3. _____ are bean shaped cells, which regulates the opening of stomata.
4. Chromosomes carry _____ which passes on hereditary characters.
5. The matrix in which blood cells are suspended is called _____.
6. Cheek cells are _____ cells
7. Cell wall is made up of a carbohydrate called _____.
8. Various structures floating in cytoplasm are called _____.
9. Epidermal layers of root bears _____.
10. Vascular bundle consists of thick walled cells called _____.

I. Name the following :

1. Organisms made up of single cell.
2. Tissues forming vascular bundle.
3. These help to carry messages from one cell to other.
4. They contract and relax to make different parts of body moves.
5. Sac like structure filled with fluid.
6. Dense tangle of chromosome.
7. Disc shaped cells present in blood.
8. Algae with ribbon like chloroplasts zigzagging through it.

II. Give reasons for the following:

1. Plasma membrane is called selectively permeable.
2. Nucleus is called control room of cell.
3. Cell is called structural and functional unit of life.

III. Differentiate between the following:

1. Plant cell and animal cell.
2. Chloroplast and leucoplast.
3. Epithelial tissue and epidermal tissue.
4. Xylem and phloem.
5. Cell wall and cell membrane.

IV. Answer the following in brief:

1. Name two stains.
2. What are the different types of plastids and what do they do?
3. Name four types of animal tissues?
4. Why do we stain specimens before viewing them under microscope?

V. Draw well labelled diagram of the following :

1. Plant cell
2. Animal cell
3. Nerve cell
