Biology Worksheet -II

Std. VIII

Cell: The Unit of Life

I. Complete the following:

1. _____ is found only in an animal cell.
2. _____ is the energy currency of the cell.
3. _____ is the plastid which stores starch.
4. _____ is surrounded by micro tubules located near the nucleus.

II. State whether the following statements are true or false. Rewrite the false statement correctly.

1. Big vacuole is present in a plant cell.
2. Vacuole contains cell sap.
3. Nucleus helps in protein synthesis.
4. All animal cells contains cell wall.
5. The cell wall is made up of protein.
6. Anthocyanins are pigments of flowers which are dissolved in cell sap.
7. Genes are located in chromosomes.

III. Differentiate between:

1. An organ and an organelle.
2. Chromosomes and centrosomes.
3. Lysosomes and ribosomes.
4. Chloroplast and chromoplast
5. Cell wall and cell membrane
6. Nucleus and nucleolus

IV. Answer the following questions:

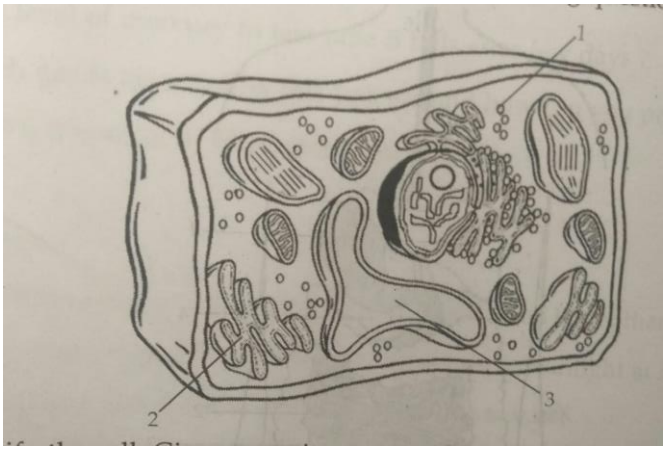
1. Name the suicide bags of the cell. Why is it called so?
2. State the postulates of cell theory.

3. Raw mango is green in colour while ripe one is yellow. Give reason.

4. Protoplasm cannot be analysed chemically. Why?

5. Mention 3 features found only in plant cells and one found only in animal cells.

V. Study the figure given below and answer the following questions:



i) Identify the cell. Give reason in support of your answer.

ii) Name the only organelle present in animal cells. What is its role?

iii) What is the function of organelle labelled 1,2 and 3?

iv) How can you differentiate between prokaryotic cell and eukaryotic cell?