

Chapter 1: Tissues

Worksheet 1

1. Fill in the blanks.

- (i) Tissue level of organisation marks the beginning of _____.
- (ii) A part of universe which supports life is called _____.
- (iii) _____ and _____ are protective tissues.
- (iv) _____ are the only living cells in the xylem tissue.
- (v) _____ epithelium protects the underlying tissues.

2. Write T for true and F for false statement.

- (i) Axon is a long cylindrical process, whereas dendrons are short processes of a nerve cell.
- (ii) Xylem and phloem are meristematic tissues.
- (iii) Cartilages are firm but elastic muscular tissues.
- (iv) Molecular level is higher to cellular level of organisation.
- (v) Collenchyma has long, fibre-like dead cells.

3. Match the following.

Column A

- (i) Tendon
- (ii) Soldiers of the body
- (iii) Conducting tissue
- (iv) Protoplasm
- (v) Lithosphere

Column B

- (a) Solid surface of the earth
- (b) Permanent tissue
- (c) Living matter
- (d) Nonelastic tissue band
- (e) WBCs

4. Encircle the odd one out.

- (i) Cells, Tissues, Organs, Population
- (ii) Apical meristem, Intercalary meristem, Lateral meristem, Xylem
- (iii) Areolar tissue, Adipose tissue, Skeletal tissue, Muscular tissue
- (iv) RBCs, WBCs, Platelets, Lymph
- (v) Epidermis, Parenchyma, Collenchyma, Sclerenchyma

Chapter 1: Tissues

Worksheet 2

1. Tick the correct answer.

- (i) Cells divide continuously in
(a) apical meristem (b) epidermis (c) cork (d) phloem
- (ii) It conducts impulses
(a) muscular tissue (b) nervous tissue
(c) conducting tissue (d) protective tissue
- (iii) Phloem
(a) supports (b) protects
(c) transports food (d) conducts water and minerals
- (iv) Level of organisation higher to organism is
(a) molecular level (b) cellular level (c) tissue level (d) population level
- (v) Biosphere consists of
(a) hydrosphere (b) lithosphere (c) atmosphere (d) all of these

2. Give one word answer.

- (i) The collection of all ecosystems in a geographical area
- (ii) The level of organisation when cells become specialised to carry out specific functions
- (iii) Waterproof tissue found in old woody dicot stems
- (iv) The only dead cells of phloem tissue
- (v) A contractile tissue

3. Draw the following.

- (i) Components of blood
- (ii) *Amoeba*
- (iii) Cells of meristematic tissue

4. Answer the following questions.

- (i) What are stimulus and response?
- (ii) What is an organ system level of organisation?
- (iii) What is ligament?
- (iv) What are the functions of chlorenchyma?
- (v) Where is meristematic tissue found?