

CHAPTER-2 | The Invisible Living World: Beyond Our Naked Eye

QUIZ PART-04

1. Muscle cells are:

- A. Round
- B. Branched
- C. Spindle-shaped
- D. Flat (C)

Explanation : Muscle cells are spindle-shaped for movement.

2. Nerve cells are:

- A. Short
- B. Elongated and branched
- C. Round
- D. Flat (B)

Explanation : Their shape helps carry messages.

3. A group of similar cells forms a:

- A. Organ
- B. Tissue
- C. Organism
- D. System (B)

Explanation : Tissues are made of similar cells.

4. An organ is a group of:

- A. Cells
- B. Tissues
- C. Systems
- D. Molecules (B)

Explanation : Organs consist of tissues.

5. Correct order of organization is:

- A. Organ–Cell–Tissue
- B. Cell–Tissue–Organ–Organ system–Organism
- C. Tissue–Cell–Organ
- D. Organism–Cell (B)

Explanation : This is biological hierarchy.

6. Muscle cells in food pipe help to:

- A. Absorb oxygen
- B. Push food
- C. Produce acid
- D. Store food (B)

Explanation : They contract to move food.

7. Different cell shapes help in:

- A. Decoration
- B. Specific functions
- C. Colour
- D. Size change (B)

Explanation : Structure relates to function.

8. Plants and animals are:

- A. Unicellular
- B. Multicellular
- C. Acellular
- D. Non-living (B)

Explanation : They have many cells.

9. Origin of multicellular organisms begins from:

- A. Tissue
- B. Organ
- C. Single cell
- D. Organ system (C)

Explanation : Life begins from single fertilized cell.

10. Stomach cells secrete:

- A. Blood
- B. Digestive juices
- C. Oxygen
- D. Water (B)

Explanation : They release digestive acids.