

Exercise on Lesson One

Question 1: Choose the correct answer

1. The basic building unit of living organisms is: (choice: Atom; Cell; Organ; Tissue)
2. Which tool is used to observe cells? (choice: Telescope; Microscope; Magnifying glass; Binoculars)
3. Which of the following organisms is made of only one cell? (choice: Human; Plant; Bacterium; Bird)
4. A bird's egg is an example of: (choice: A small cell; A large single cell; Many cells; Non-living)
5. Robert Hooke observed plant cells in: (choice: 1565; 1665; 1765; 1865)

Question 2: Put (✓) for correct and (✗) for wrong

6. Cells are the building units of walls and houses. (true/false)
7. Cells help living things grow, reproduce, and repair. (true/false)
8. Animal cells have a cell wall, but plant cells do not. (true/false)
9. The naked eye can see most animal and plant cells clearly. (true/false)
10. Hooke was the first to use the word "cell." (true/false)

Question 3: Complete the sentences

11. Cells are not found in (non-living). things.
12. Living organisms grow by an increase in the (number). of cells, not their size.
13. The cell membrane controls the (entry). and (exit). of water.
14. All cells have a (cell membrane)., but not all cells have a (nucleus).
15. (Nerve cells, blood cells, muscle cells). are examples of specialized cells in the human body.

Question 4: Give reasons

16. Living organisms need energy. → (open)
17. Bacteria cannot be seen with the naked eye. → (open)
18. A cell may burst if too much water enters it. → (open)

Question 5: What happens if ...

19. The cell membrane fails to control the entry and exit of water? → (open)

20. There were no microscopes? → (open)

Question 6: Mention the following

21. Two differences between plant and animal cells → (open)

22. The discoveries made possible by microscopes → (open)

23. Two materials that cells need to survive → (open)

24. Three types of cells in the human body → (open)