

Retrieval Practice Mark scheme

Complete these short answer questions from memory.

1. What scientific word means 'something that can cause harm'?

Hazard

2. What scientific word means 'something that will prevent harm occurring'?

Precaution

3. What is the scientific word meaning 'living thing'?

Organism

4. List the seven life processes.

Movement, Respiration, Sensitivity, Growth, Reproduction, Excretion, Nutrition

5. What is the scientific word for 'parts of a cell'?

Organelles

6. List the parts of an animal cell.

Nucleus, Cell Membrane, Cytoplasm, Mitochondria

7. State the function of the cell membrane.

To allow substances to move into and out of the cell.

8. List the 3 parts of a plant cell that are not present in an animal cell.

Cell wall, Chloroplasts, Large vacuole

9. What do we call cells that are differentiated to fulfil specific functions in the body?

Specialised Cells

10. How is a sperm cell adapted to its function?

(one of) It has a tail (flagellum) for movement. It has mitochondria for energy to swim. It has a nucleus in its 'head' to carry the genetic information to the egg.

11. Name the two types of lens in a light microscope.

Eyepiece lens and objective lens

12. Which lens is used to increase the magnification of an object?

Objective lens

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13. What is the equation to calculate the total magnification of an image under the microscope?

Total magnification = eyepiece lens magnification x objective lens magnification

14. What is the meaning of the term 'unicellular organism'?

A living thing made of one cell

15. What is the definition of a 'tissue'?

A group of the same cells working together

16. What is an example of a tissue?

Skin tissue, muscle tissue (many other examples could be named)

17. What is the definition of an 'organ system'?

A group of organs working together

18. What is an example of an organ system?

The circulatory system/the skeletal system/the nervous system/the digestive system/the reproductive system/the endocrine system

19. Define the term 'diffusion'.

The movement of particles from an area of high concentration to an area of low concentration

20. In which states of matter can diffusion occur?

Liquid and Gas