

## 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**