

## OBHS Core Questions:


Subject: Science

Year and Term: Year 7 Autumn Term

Topic: 7B1 Cells and Movement



Learn these questions to build a strong foundation of knowledge for this half-term. Ask family or friends to test you regularly, or practise on your own using the 'Look, Say, Cover, Write' method.

Core Question	Answer
1. Name three parts of an animal cell?	Cytoplasm, cell membrane, nucleus, ribosomes, mitochondria
2. Name three parts of a plant cell not present in animal cells.	Vacuole, chloroplasts, cell wall
3. List three examples of specialised animal cells.	Sperm cell, egg cell, palisade cell, root hair cell, muscle cell, nerve cell, blood cell.
4. What is the function of the nucleus?	Controls the activities of the cell OR contains the DNA
5. What is the function of the cell wall?	Supports the plant cell
6. What is the function of the cytoplasm?	Jelly-like substance where chemical reactions take place
7. What is the function of the chloroplasts?	Absorb light for photosynthesis
8. What is the function of the cell membrane?	Allows substances in and out of the cell
9. What is a uni-cellular organism?	Made up of one cell
10. What is a multicellular organism	Made up of many cells
 11. ————— What is the name of this piece of equipment?	Light microscope
12. How do substances move into and out of cells?	Diffusion
13. What is diffusion?	The movement of substances from an area of high concentration to an area of low concentration
14. What are the four main functions of the human skeleton?	<ul style="list-style-type: none"><li>- Make blood cells</li><li>- Protection</li><li>- Support</li><li>- Movement</li></ul>
15. What is a joint?	Places where bones meet
16. What is an antagonistic pair of muscles?	A pair of muscles where one muscle contracts as the other relaxes
17. What is a ligament?	What connects bones in joints
18. What is a tendon?	What connects muscle to bone

19. What is cartilage?	Smooth tissue found at the end of bones, preventing bones from rubbing together.
20. What is the name of the long bone found in the upper leg?	Femur
21. What is the name of the long bone found in the upper arm?	Humerus
22. What is the name of the bone which protects the brain?	Skull
23. What is the name of the bones which protect the lungs?	Ribs
24. Where is the smallest bone in the body found?	Inner ear
25. What is bone marrow?	Tissue found in some bones where new blood cells are made.