

B3 – Movement of Substances Quiz

1. How does oxygen move in and out of cells?
2. Name the enzyme produced in salivary glands.
3. How are cells found in salivary glands adapted to produce amylase?
4. Why is it useful to have lots of villi?
5. Give one advantage and one disadvantage of using the modern ventilator rather than the iron lung ventilator.
6. Explain why roots need to use the osmosis and active transport to absorb water and ions.
7. Water loss from leaves is known as what?
8. How does the closing of stomata help a plant?
9. Why do root cells contain many mitochondria?
10. Why do root cells store starch?
11. Give three features of the alveoli that allow large amounts of oxygen to enter the blood.
12. Breathing allows large amounts of oxygen to enter the blood. How does breathing do this?
13. Explain why plant cells swell up when placed into water.

14. Why do animal cells which are placed in water burst, but plant cells don't?
15. Define diffusion.
16. Define active transport.
17. Apart from water, what else is contained in sweat?
18. Why do plants lose water more rapidly on a warm and windy day?
19. Give three features of villi that help the small intestines to function.
20. Explain how emphysema reduces the amount of oxygen which diffuses into the blood.
21. What is osmosis?
22. Give two examples of where osmosis is used in living things.
23. Why do plants need stomata?
24. Describe the changes that take place in the composition of blood as it passes through the lungs.
25. Which part of the blood transports most carbon dioxide?
26. Which part of the blood transports most oxygen?
27. Give one feature of the cell wall which allows the cell to become turgid.