

B2 – Cells Quiz

1. Name the part of a cell that controls the passage of substances in and out of a cell.
2. Name the part of a cell that is filled with cell sap.
3. Give the name of two parts that can be found in a leaf cell but not in a human liver cell.
4. What is the function of a ribosome?
5. How are plant cells different from bacterial cells?
6. Why don't bacterial cells contain mitochondria?
7. How do mitochondria help a sperm cell carry out its function?
8. How is the nucleus of sperm cells different from the nucleus of all other human body cells?
9. Why are stem cells from human embryos used to treat some diseases in humans?
10. How are muscle cells adapted to release lots of energy?
11. What is the function of chloroplasts?
12. What is the function of the nucleus and the cytoplasm?

13. What controls the rate of chemical reactions inside the cytoplasm?
14. What is the main job of a leaf mesophyll cell? How does the structure of the cell help it carry out its job?
15. What is the job of red blood cells and white blood cells?
16. What do scientists call a group of similar cells?
17. How are bacterial and yeast cells different?
18. Which word describes a whole leaf?
19. What is the role of muscular tissue?
20. What is the function of glandular tissue?
21. What is the function of epithelial tissue?
22. What is the function of a cell wall?
23. What is the role of the flagella in bacterial cells?
24. What are plasmids?

25. How do yeast cells reproduce?
26. How are yeast cells specialised to survive?
27. How are root cells specialised to carry out their function?
28. What is diffusion?
29. What is the function of epidermal tissue in plants?
30. What is the function of mesophyll tissues in plants?
31. What is the function of the xylem and phloem?
32. What tissues make up the stomach?
33. What tissues make up the leaf?
34. What is the function of villi and micro villi?
35. Where do you find villi and micro villi?
36. Why do cells inside the salivary glands and pancreas contain many ribosomes?