Cells – Basic Unit of Life Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ April 26, 2019

Multiple Choices

1. All living things are made of
2. Atoms
3. Cells
4. What makes one cell different from another?
5. Cell structures (called organelles) control most of the cell’s activities.
6. Cell structures (called organs) control most of the cell’s activities.
7. An organelle is a specialized \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ within a cell.
8. function
9. structure
10. Animal and plant cells share many organelles common to each other and those not common.
11. False
12. True
13. Approximately how many cells does the human body have?
14. Trillions
15. Billions
16. Each organelle has a specific function.
17. True
18. False
19. Another term for cell membrane is:
20. Protein membrane
21. Plasma membrane
22. The cell membrane is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and is made of \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
23. Nonliving, lipids, vitamins
24. Living, proteins, lipids
25. Which of the following are important functions of the cell or plasma membrane?
26. Support and shape
27. Protects the inside of the cell
28. Controls (or regulates) what moves into and out of the cell.
29. All of the above.
30. The cell wall is not a living part of the cell.
31. True
32. False
33. The cell wall is made mostly of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (a carbohydrate made up of many sugars packed together).
34. sucrose
35. cellulose
36. What types of materials can pass through small pores or openings in the cell wall?
37. Gases
38. Water
39. Minerals
40. All of the above
41. Indicate the function(s) of the cell wall.
42. Shape
43. Support
44. Protection
45. All of the above.
46. The four parts of the nucleus include:
47. Chromosomes, cellulose, nuclear envelope, and nuclear pores
48. Chromosomes, nucleolus, nuclear envelope, and nuclear pores
49. What is the main function of the nucleus?
50. Control center of all of the cell’s activities.
51. Controls cell reproduction.
52. All of the above.
53. What is the cytoplasm of the cell?
54. Cytoplasm is all the nonliving substance in a cell except the nucleus. Most cells are not made of cytoplasm.
55. Cytoplasm is all the living substance in a cell except the nucleus. Most cells are made up of cytoplasm.
56. Most of the life processes takes place within the cytoplasm of the cell.
57. False
58. True

SHORT ANSWER

What is the difference between chromosomes and genes?