# Preparation

1. What is an Organelle?

# Part 1

**Go to:** [**http://www.sheppardsoftware.com/health/anatomy/cell/index.htm**](http://www.sheppardsoftware.com/health/anatomy/cell/index.htm) **Do the Animal Cell Tutorial, the Plant Cell Tutorial, and the Bacteria Cell Tutorial.**

***Animal Cell***

1. Is an animal cell a prokaryotic or eukaryotic cell?
2. How do you know?

***Write the Organelle Name and Function of the Animal Cell Organelles***

|  |  |
| --- | --- |
| ***Organelle Name*** | ***Function*** |
| 4. | 5. |
| 6. | 7. |
| 8. | 9. |
| 10. | 11. |
| 12. | 13. |
| 14. | 15. |
| 16. | 17. |
| 18. | 19. |

***Plant Cell***

20. Is a plant cell a prokaryotic or eukaryotic cell?  
21. How do you know?

23. What are the differences between an animal cell and a plant cell?

Plant: Animal:

***Write the Organelle Name and Function of the Plant Cell Organelles***

|  |  |
| --- | --- |
| ***Organelle Name*** | ***Function*** |
| 24. | 25. |
| 26. | 27. |
| 28. | 29. |
| 30. | 31. |
| 32. | 33. |
| 34. | 35. |
| 36. | 37. |
| 38. | 39. |
| 40. | 41. |
| 42. | 43. |
| 44. | 45. |

***Bacteria Cell***

46. Is a bacteria a prokaryotic or eukaryotic cell?  
47. How do you know?

|  |  |
| --- | --- |
| ***Organelle Name*** | ***Function*** |
| 48. | 49. |
| 50. | 51 |
| 52. | 53. |
| 54. | 55. |
| 56. | 57. |
| 58. | 59. |
| 60. | 61. |
| 62. | 63. |

# Part 2

**Go to:** [**http://www.biomanbio.com/GamesandLabs/Cellgames/CellExplorerAnimalCell.html**](http://www.biomanbio.com/GamesandLabs/Cellgames/CellExplorerAnimalCell.html)**. Click on Start a New Game, press space bar to continue, and then read your mission.**

64. What does Dr. Ernest Lee Vial want to do?

65. What is your spaceship called?

67. What is your mission?

**Press Space bar to continue. Read how to control your CEV then press space bar to continue again. Complete all 4 missions (RECON, ESCAPE, DEFENSE, and CONSTRUCTION). You can check your score on the score sheet after you complete a mission. When you have completed all 4 missions you will need to submit your score information to me. My email is** [**nhsbiologytr@gmail.com**](mailto:nhsbiologytr@gmail.com)**. After you enter your name and period number click on the upload your score button. This will be part of your grade so remember to put your full name and send me your score.**

**\*If you finish early, you may continue to play the cell games and only the cell games to practice learning the organelles of the cell.**