**Name:**

**Study Guide: Cells**

**Vocabulary:**

|  |  |
| --- | --- |
| Structure: |  |
| Function: |  |
| Cell Theory: |  |
| Unicellular: |  |
| Multicellular: |  |
| Prokaryotes |  |
| Eukaryotes: |  |
| Cell Membrane:  |  |
| Nucleus: |  |
| Nuclear Membrane: |  |
| Cytoplasm: |  |
| Mitochondria: |  |
| Vacuoles: |  |
| Cell Wall: |  |
| Chloroplasts: |  |
| Cell: |  |
| Tissue: |  |
| Organ: |  |
| System: |  |
| Organism: |  |
| Protists: |  |

**For the test, you should be able to:**

1. List and describe the characteristics of life.
2. Explain Cell Theory.
3. Distinguish between prokaryotic and eukaryotic organisms.
4. Describe the structure and function of each cell organelle.
	* + - * Cell Membrane
				* Cell Wall
				* Nucleus
				* Nuclear Membrane
				* Chloroplasts
				* Mitochondria
				* Vacuole
				* Cytoplasm
5. Identify the relationship between cell organelles. (See above).
6. Identify, compare, and contrast animal and plant cells.
7. Discuss characteristics of unicellular organisms.
8. Identify an Amoeba.
	* Describe characteristics, its movement, and its nutrition.
9. Identify a Paramecium.
	* Describe characteristics, its movement, and its nutrition.
10. Identify a Euglena.
	* Describe characteristics, its movement, and its nutrition.
11. Identify a Volvox.
	* Describe characteristics, its movement, and its nutrition.
12. Explain the organization of multicellular organisms
	* (cell🡪tissue🡪organ🡪organ systems🡪organism)