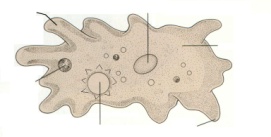
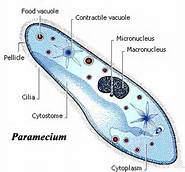
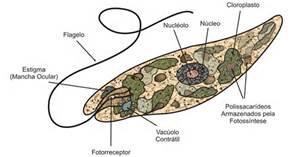
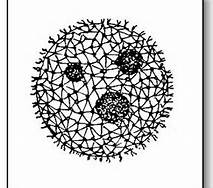
**Name:**

**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.
   * [](http://www.bing.com/images/search?q=paramecium&qpvt=paramecium&FORM=IGRE#view=detail&id=0D3706997D05EF32CAA3A515A5B232A66BD0708B&selectedIndex=63)Describe characteristics, its movement, and its nutrition.
10. Identify a Euglena.
    * [](http://www.bing.com/images/search?q=euglena&qs=n&form=QBIR&pq=euglena&sc=8-1&sp=-1&sk=#view=detail&id=600F590B0D8E13EA37D637BE29259D21828162AA&selectedIndex=1)Describe characteristics, its movement, and its nutrition.
11. Identify a Volvox.
    * [](http://www.bing.com/images/search?q=volvox&qs=n&form=QBIR&pq=volvox&sc=8-5&sp=-1&sk=#view=detail&id=7939F088F8216E73B4C05D5D1EEC76AD153A53C0&selectedIndex=122)Describe characteristics, its movement, and its nutrition.
12. Explain the organization of multicellular organisms
    * (cell🡪tissue🡪organ🡪organ systems🡪organism)