Biology 1 Name:

***Cell Structure and Function -***  Date:

***Study Guide***  Hour:

Test Date:

The following is a list of terms you will be responsible for from chapter 4 and parts of 23&24.

* Robert Hooke
* Anton van Leeuwenhoek
* Cell Theory
* Cell Size Limitations
  + Surface Area to Volume Ratio
* Basic Parts of a Cell
  + Plasma Membrane
  + Cytoplasm
  + Nucleus
* Types of Cells
  + Prokaryote
  + Eukaryote
    - Organelles
* Colonial Organisms
* True Multicellularity
* Tissue
* Organs
* Organ System
* Membrane
  + Phospholipid Bilayer
  + Fluid Mosaic Model
* Nucleus
  + DNA
* Nuclear Envelope
* Nucleolus
* Ribosomes
* Mitochondria
* Endoplasmic Reticulum
  + Rough E.R.
  + Smooth E.R.
* Golgi apparatus
* Vesicles
* Protein Synthesis
* Cytoskeleton
* Unique Features of Plant Cells
  + Photosynthesis
  + Cell Wall
  + Central vacuole
  + Chloroplasts
* Prokaryotes vs. Eukaryotes
* Plant Cells vs. Animal Cells
* Viruses vs. Living Cells
* Pathogen
* Virus
  + Capsid
  + Envelope
* Virulence
* Lysogenic/Lytic Cycle
* Vector
* Antibiotic
* Endosymbiosis
  + DNA
  + Divide independently
  + Double Membrane