**Study Guide - 7th Grade Science Q1 Benchmark**

Terms

* Eukaryote
* Prokaryote
* Pseudopods
* Flagella
* Cilia
* Autotroph (producer)
* Heterotroph (consumer)
* Decomposer
* Photosynthesis
* Unicellular
* Multicellular
* Dichotomous key
* Species
* Taxonomy

Concepts

* Name the 9 levels of the classification system
* Describe the functions of the following organelles:
  + Ribosomes
  + Chromosomes
  + Chloroplasts
  + Golgi apparatus
  + Vacuoles
  + Cell walls
  + Endoplasmic reticulum
  + Nucleus
  + Cell membrane
  + Lysosomes
  + Mitochondria
  + Cytoplasm
* List the characteristics of the six kingdoms of living things:
  + Autotrophic/heterotrophic/both
  + Unicellular/multicellular/both
  + Eukaryotic/prokaryotic
  + Decomposers
* Use a dichotomous key to identify an organism
* Explain the steps to construct a dichotomous key
* Identify the following organelles in a diagram of a cell:
  + Cell membrane
  + Cell wall
  + Chloroplasts
  + Mitochondria
  + Nucleus
  + Vacuole