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

Terms

* Eukaryote
* Prokaryote
* Autotroph (producer)
* Heterotroph (consumer)
* Decomposer
* Photosynthesis
* Unicellular
* Multicellular
* Species
* Qualitative Observation
* Quantitative Observation
* Inference
* Independent Variables
* Dependent Variables
* Taxonomy

Concepts

* Name the 8 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
* List the steps of the Scientific Method in order.
* Identify the following organelles in a diagram of a cell:
	+ Cell membrane
	+ Cell wall
	+ Chloroplasts
	+ Mitochondria
	+ Nucleus
	+ Vacuole