**Q3 Benchmark Study Guide**

* Characteristics of the Kingdoms
* Eukaryotic
* Prokaryotic
* Classification System
* Cell Structures - cell wall, nucleus, mitochondria, cytoplasm, cell membrane, chloroplast, etc.
* DNA
* Binary Fission
* Active and Passive Transport
* Asexual and Sexual Reproduction
* Photosynthesis
* Levels of Organization (cells, tissues, organ, organ systems, organism)
* Body Systems
* Blood Vessels
* Red Blood Cells
* Mechanical and Chemical Digestion
* Order of the Digestive System
* Types of Muscles
* Skin (first line of defense)
* Recessive and Dominant Alleles
* Genotypes and Phenotypes
* Hybridizations
* Homozygous and Heterozygous
* Peppered Moths
* Natural Selection
* Darwin’s 3 Elements of Natural Selection
* Adaptations
* Evolution