Study Outline-Unit Test 8-Evolution

Mechanisms for Evolution

 Mutations

 Migration

 Gene Drift

 Nonrandom Mating

 Natural Selection

 Stabilizing Selection

 Directional Selection

 Disruptive Selection

Patterns of Evolution

 Divergent Evolution

 Adaptive Radiation

 Convergent Evolution

 Isolation

 Geographic Isolation

 Reproductive Isolation

 Speciation

Antibiotic/Pesticide Resistance

Taxonomy/Classification

 Binomial Nomenclature

 Genus and species names makeup the Scientific name

 Common vs Scientific Name

 Levels of Classification

 Kingdom, Phylum, Class, Order, Family, Genus, Species

Interpret Cladogram to determine recent common ancestor of organisms, derived characters (traits)

Characteristics of the Kingdoms

Use Dichotomous Key to identify an organism

**Study vocabulary**