Classification and Adaptation Study Guide

**SPI 0807.5.1** Use a simple classification key to identify an unknown organism.

(5 questions)

Vocabulary:

Classification

Structural Adaptation

Dichotomous Key

Taxonomy

Binomial Nomenclature

Concepts:

From largest to smallest

Kingdom – Phylum – Class – Order – Family – *Genus* – *species*

Gets more specific from kingdom – species

Mostly organized by physical traits

3 kinds of questions to identify animals

Dichotomous key

Taxonomy web

Chart

**SPI 0807.5.2** Analyze structural, behavioral, and physiological adaptations to predict which populations are likely to survive in a particular environment

(10 questions)

Vocabulary:

Structural adaptation

Behavioral adaptation

Physiological adaptation

Variation

Natural selection

Mutation

Biomes:

Tundra

Taiga

Deciduous Forest

Tropical Rainforest

Desert

Grassland

On the back list certain adaptation that are favorable for each biome. There will be some questions that list some adaptations and ask you which environment that organism lives in.

**SPI 0807.5.3** Analyze data on levels of variation within a population to make predictions about survival under particular environmental conditions.

(5 questions)

Very similar to standard above but you will be asked to look at graphs and charts to find your answer