

## Microevolution Quiz Outline (Life Sciences 11)

### **SUMMARY:**

1. How and why does evolution occur?
2. What is evolution? What is microevolution?
3. What are the four mechanisms that can cause microevolutionary change? How do they interact? Under what circumstances are they more or less prevalent?
4. What are the three steps of evolution by natural selection?

### **STRUCTURE OF TEST:**

Approximately 20 multiple choice questions

Short answer section

- Will include a case study (comic strip) where you will need to explain how the 3 stages of natural selection relate to the case study. This will be marked the same as your in-class assignment was.

### **VOCABULARY:**

*(Disclaimer: This is not meant to be an exhaustive list. Vocabulary words may appear on the test that are not in this list.)*

- Review from Science 10:
  - o DNA
  - o Allele
  - o Trait
- Intro to Evolution
  - o Fitness
  - o Evolution
  - o Common descent
  - o Adaptation
- Levels of Organization: (slide 9)
  - o Individual
  - o Population
  - o Species
- Microevolution
  - o Allele Frequency
  - o Natural Selection

- Variation
  - Heritable
- Fitness
- Adaptation (Adaptive Trait)
- Mutation
- Genetic Drift
  - Bottleneck Effect
  - Founder Effect
- Migration

**PRIMARY STUDY MATERIAL:**

- Evolution Part 2 Powerpoint slides 1-37
- In-class notes, worksheets, activities
- Textbook sections 14-2, 14-3, 14-5 (roughly based)