

Name \_\_\_\_\_

## Speciation Viewing Guide

### Speciation: An Illustrated Introduction

1. Describe the ancestor of all the Birds of Paradise.
2. What are 2 ways speciation can begin?
3. How could a group of birds end up on an island that would normally be too far away to fly to?
4. How many generations could it take for birds on the same island to become different species?
5. What type of selection led to the population on the opposite side of the island developing elaborate feather adaptations?

### Evidence for Evolution -- Book Reading Assignment

*Read pages 158-160 and answer the following questions.*

1. How old is the Earth? How long has there been life on Earth?
2. Explain fossils can be used as evidence to support the theory of evolution.

*Read pages 168-170 and answer the following questions.*

3. What are homologous structures? What do homologous structures suggest?
4. What are analogous structures?
5. What is comparative embryology?
6. What are vestigial structures? How do they provide evidence for evolution?
7. How is comparison of DNA used as evidence for evolution?