

## Life Science 7

*(Copy the following lab activity set up in your science notebook.)*

**Title:** Activity 6D Field of Dreams Project: "People, Bird, and Bats"

**Challenge Question:** What kinds of evidence can you use to classify vertebrates?

### **Background:**

- Classification systems help scientists organize and identify the 2.5 million known species.
- The phylum Chordata contains the **vertebrate** animals most people think of when they think of animals. The **invertebrate** phyla are more numerous and diverse.
- Biologists classify organisms into large groups called kingdoms. Each kingdom is further divided into groups called phyla, which are still further divided into classes.
- Specific characteristics define the major animal phyla.

### **Materials:**

"People, Birds, and Bats" lab packet

"People, Birds, and Bats" data sheet

### **Procedures:**

1. Read and follow the directions in the lab packet.
2. Record your classification for each of the vertebrates in "People, Birds, and Bats" data sheet.
3. Answer Analysis Questions.

### **Analysis Questions:**

1. What characteristics do you think best distinguish each vertebrate class?
2. Why do some vertebrates appear to fit into two or more different classes?