

## Activity 9.2 Analyze Peppered Moth Study

Scientists share their findings by publishing the results and conclusions from their investigations. As you work through your assigned study use the following questions as a guide to understand the study as well as you can before you share with another group.

### **Research Question:**

What were scientists trying to find out? Circle the VARIABLES being studied. Are the variables Biotic? Abiotic? Label them 😊

### **Background:**

Read any background information provided. Underline important information and circle key words.

### **Methods:**

Read through the methods or description of the scientists' work. What did scientists do? How did they get the data? Try to create a "picture" in your brain. Then sketch a picture or flow chart.

### **Data/Graphs:**

Look for the following information in a graph, map or table; you should write notes directly on the graph or table.

1. What kind of graph?
2. How are the variables shown on the graph/table/map? Abiotic? Biotic?
3. Axes (if a graph)
  - a. X axis?
  - b. Y axis?
4. Key or legend?
5. Title: If there isn't a title decide what a good title would be and phrase it as a question. Write it at the top of the graphic.
6. Conclusion? How would you answer the question from #5—you should point to specific information from the graph as you answer the question.

### **Making Sense:**

These questions should help you pull ideas together from your study. Discuss with your partner and jot down your thinking. Later you will use this information to fill out the "Evidence Organizer" table on page 115.