

## Lesson Two

### Microorganisms—Bacteria I

- Standard 5:** Students will understand that microorganisms range from simple to complex, are found almost everywhere, and are both helpful and harmful.
- Objective 1:** Observe and summarize information about microorganisms.
- Indicator a:** Examine and illustrate size, shape, and structure of organisms found in an environment such as pond water.
- Indicator b:** Compare characteristics common in observed organisms (e.g. color, movement, appendages, shape and infer their function (e.g., green color found in organisms that are producers, appendage help movement).
- Indicator c:** Research and report on a microorganism's requirements (i.e. food, water, air, waste disposal, temperature of environment, reproduction.)

#### Procedure

1. Read the introduction paragraph (Background) on *Properties and Classification of Microorganisms*. They can take notes or highlight the important details.

***As the students are reading about bacteria have them fill out as much as they can on the Comparing Microorganisms sheet as they do the reading about the Monera Kingdom (bacteria).***

2. Read about the Monera Kingdom found in *Properties and Classification of Microorganisms* document. Discuss each paragraph as you read them. Review the "Bacteria Thought Questions".
3. Have them read about bacteria in the Microorganism Information Pages to find out more information about bacteria.