

## Lesson Seven

### Microorganisms—Protista 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 about the Protista from the *Properties and Classification of Microorganisms* document.
2. Read about animal-like Protista (protozoa).
  - a. Discuss each paragraph as you read them.
  - b. Have them fill out as much as they can on the *Comparing Microorganisms* sheet. You can do this as you go, or you can do it afterwards.
3. Read about plant-like Protista (algae).
  - a. Discuss each paragraph as you read them.
  - b. Have them fill out as much as they can on the *Comparing Microorganisms* sheet. You can do this as you go, or you can do it afterwards.
4. Have them read about bacteria on the Microorganism Information Pages to find out more information about protozoa.