

**Chapter 1**

Use with Section 2

**REINFORCEMENT**

● **Using Science to Explore**

Answer the following questions, using complete sentences.

- 1. What is the difference between science and technology? \_\_\_\_\_  
\_\_\_\_\_
- 2. Technology often is used to do things that people cannot do. List three types of activities that scientists might use technology for.
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_

Suppose that you wanted to view kinds of tiny plants and animals living at the bottom of a very deep well, but sending an observer down was unsafe because the well walls were old and crumbly. What kind of technology might you devise? In the steps below, fill in possible answers to your problem.

Define the task that you want to do.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

What qualities must this tool have?

\_\_\_\_\_  
\_\_\_\_\_

What kind of tool might fit your needs?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

How could you test your tool before you used it?

\_\_\_\_\_  
\_\_\_\_\_

Safety is an important part of working in science. Fill in the following lines to explain the meaning of the reminder **SAFE TIPS**.

S \_\_\_\_\_

A \_\_\_\_\_

F \_\_\_\_\_

E \_\_\_\_\_

T \_\_\_\_\_

I \_\_\_\_\_

P \_\_\_\_\_