

Laboratory Skills 2

Identifying Laboratory Equipment

Introduction

Scientists use a variety of tools to explore the world around them. Tools are very important in the advancement of science. The type of tools scientists use depends on the problems they are trying to solve. A scientist may use something as simple as a metric ruler to measure the length of a leaf. At another time, the same scientist may use a complex computer to analyze large amounts of data concerning hundreds of leaves.

In this investigation, you will identify pieces of laboratory equipment likely to be found in a biology laboratory. You will also learn the function of each piece of laboratory equipment.

Problem

What are the names and functions of some of the pieces of laboratory equipment found in a typical biology laboratory?

Pre-Lab Discussion

Read the entire investigation. Then, work with a partner to answer the following questions.

1. What kinds of measurements might you need to make in the laboratory?

2. What kinds of equipment would you need for these tasks?

3. Why are there several types of glassware marked for measuring?

4. How might glassware be used differently?

5. When might you need to use a thermometer in the lab?

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Judd E. Hollander



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