

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?

Pearson Biological Sciences Lab Manual Answer Key

Kenneth Miller, Joseph Levine



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Parke, American Guidance Service, 2000 *Thinking about Biology* Mimi Bres, Arnold Weisshaar, 1997-12 This self guided introductory biology lab manual features a full range of activities that show how basic biological concepts can be applied to a wide variety of plants animals and microorganisms It is designed to help readers including those who are academically underprepared acquire the basic knowledge needed to make informed decisions about biological questions that arise in everyday life develop the problem solving skills that will lead to success in a competitive job market and learn to work effectively and productively as a member of a team Focuses on the scientific method requiring readers to develop hypotheses set up experiments collect data record their data in graphs and charts and draw conclusions from their experimental results Offers opportunities to transfer content knowledge to real life applications through questions interwoven into each activity Each laboratory includes a brief discussion of background information hints for solving problems important safety information Comprehension Checks and Self Tests with answers For anyone beginning a study of biology including those who are academically underprepared or from an ESL background Lab Manual Topics Geraint H. Jenkins, 1999-08-01

Preparation Guide for Investigating Biology, Laboratory Manual, Seventh Edition Judith Giles Morgan, 2011

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Cain, Steven A. Wasserman, Peter V. Minorsky, 2015-03-05 NEW Now in full color With its distinctive investigative approach to learning this best selling laboratory manual is now more engaging than ever with full color art and photos throughout As always the lab manual encourages students to participate in the process of science and develop creative and critical reasoning skills The Eighth Edition includes major revisions that reflect new molecular evidence and the current understanding of phylogenetic relationships for plants invertebrates protists and fungi The sequence of the lab topics has been reorganized to reflect the closer relationship of the fungi and animal kingdoms A new lab topic Fungi has been added providing expanded coverage of the major fungi groups The Protists lab topic has been revised and expanded with additional examples of all the major clades Both lab topics include suggestions and exercises for open inquiry investigations In the new edition population genetics is covered in one lab topic with new problems and examples that connect ecology evolution and genetics

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