

Overview

In this activity you will learn about the composition of all animals. You will meet the following objectives:

1. Differentiate between plants and animals.
2. Identify the major components of an animal cell.
3. Explain the process of cell division.
4. List and describe the stages of mitosis and meiosis.

STEP 1



Inventory

If necessary, turn on the computer and wait for it to go through its "boot up" procedure. When the Media Cruiser interface is displayed, log in, and click **Lessons, Activity 3, then Inventory**. Once you've located the various items on the list, click Yes. If you are unable to find an item, click No. Report any problems such as missing or damaged items to the instructor. You will also be required to document the items in the Inventory Journal that will appear after you click No. When you are finished, click Score It.

STEP 2

Vocabulary words

The key terms for this activity are listed below. Remember to look for them as you complete your work, and record the definitions as you've been instructed.

3. Mitosis
4. Meiosis

STEP 3

Read this

As you may know, the cell is the microscopic basic building block for life, both plant and animal. All living things, from insects to cows and from wildflowers to trees are made up of cells. There are some similarities. For example, both plant and animal cells have a nucleus. And of course, there are many differences. For example, animal cells are surrounded by a cell membrane and plant cells are surrounded by a membrane with a cell wall.