

From a Cell to an Organism

Lesson 1 The Cell Cycle and Cell Division



Grade 7 Science Content Standards—1.e. Students know cells divide to increase their numbers through a process of mitosis, which results in two daughter cells with identical sets of chromosomes. Also covers: 1.c

Scan the What You'll Learn statements for Lesson 1 of your book.
Predict three topics that will be discussed.

1. _____
2. _____
3. _____

Review Vocabulary

eukaryotic cell

Define eukaryotic cell using your book or a dictionary.

New Vocabulary

Read the definitions below. Write the correct vocabulary term on the blank to the left of each definition.

_____ process by which a cell nucleus divides

_____ pair of similar chromosomes

_____ copy of a chromosome made during the cell cycle

_____ identical cells formed during cell division

_____ phase of the cell cycle during which the cell prepares to reproduce

_____ first phase of mitosis

_____ phase of mitosis during which chromosomes move to the middle of the cell

_____ final phase of mitosis

_____ phase of mitosis during which sister chromatids begin to separate

Academic Vocabulary

establish

Use a dictionary to define establish.