

Quick Vocabulary

Lesson 1

cell cycle growth, development, and division

centromere structure that holds sister chromatids together

cytokinesis division of a cell's cytoplasm and contents

daughter cells two new cells that result from mitosis and cytokinesis

eukaryotic cell with membrane-bound structures

interphase cell's period of growth and development

mitosis division of a cell's nucleus and contents

sister chromatids one of the two identical strands of DNA that make up a duplicated chromosome

Lesson 2

cell differentiation process by which cells become different types of cells

complex made of two or more parts

fiber long muscle cell

organ group of different tissues working together to perform a particular job

organ system group of organs working together to complete a series of tasks

stem cell unspecialized cell that develops into many different cell types

tissue group of similar types of cells that work together to carry out specific tasks