Prophasephase

In the top box, write a description of each phase of mitosis. In the box below, draw and color a picture illustrating the phase.

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mitosis Flow Map

Metaphase

Interphasee

In cells that lack a cell wall, the cell pinches in two. In cells that have a cell wall, a cell plate forms between the two new cells.

Cytokinesis

A nuclear membrane forms around each set of chromosomes, and the chromosomes unwind. Mitosis is complete.

The chromatids separate and move to opposite sides of the cell.

The chromosomes line up along the equator of the cell. Homologous chromosomes pair up.

Mitosis begins. The nuclear membrane dissolves. Chromosomes condense into rodlike structures.

Before mitosis begins, chromosomes are copied. Each chromosome is then two chromatids.

Telophase

Anaphase