

Cellular Reproduction

Section 9.2 Mitosis and Cytokinesis

Main Idea _____

Details _____

Scan Section 2 of the chapter. From the headings and illustrations list the four stages of mitosis.

1. _____ 3. _____

2. _____ 4. _____

Review Vocabulary

Use your book or dictionary to define life cycle.

life cycle

New Vocabulary

Use your book or dictionary to define the following terms.

anaphase

centromere

metaphase

prophase

sister chromatid

spindle apparatus

telophase

Section 9.2 Mitosis and Cytokinesis (continued)

Main Idea _____

Details _____

Mitosis

I found this information on page _____.

Identify *two functions of mitosis in animals.*

Function of mitosis in animals _____

The Stages of Mitosis

I found this information on page _____.

Model *the stages of mitosis and the process of cytokinesis. Draw and label a cell in each stage, name each stage, and describe what is happening.*

Name of Phase	Sketch of Cell	Description
cytokinesis		

Summarize *the similarities and differences of any two phases of mitosis.*

Section 9.2 Mitosis and Cytokinesis (continued)

Main Idea _____

I found this information on page _____.

Details _____

Summarize the function of each structure in mitosis.

centromeres: _____

microtubules: _____

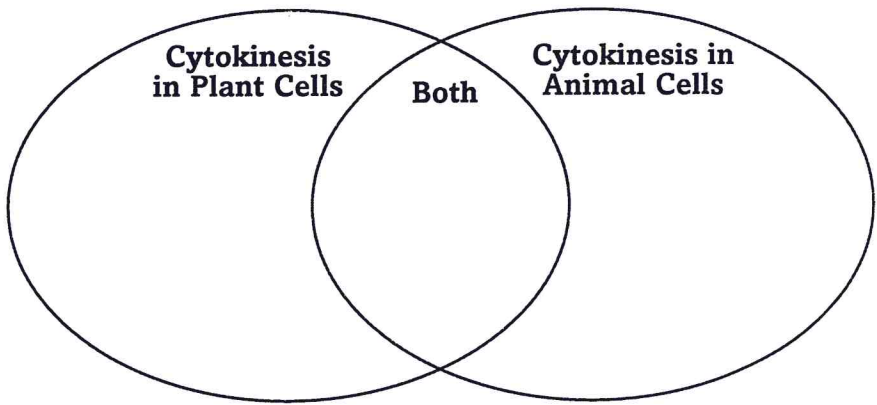
motor proteins: _____

spindle apparatus: _____

Cytokinesis

I found this information on page _____.

Compare and contrast cytokinesis in plant and animal cells.



SUMMARIZE

Create a concept map describing the stages of the cell cycle.

Blank space for creating a concept map.