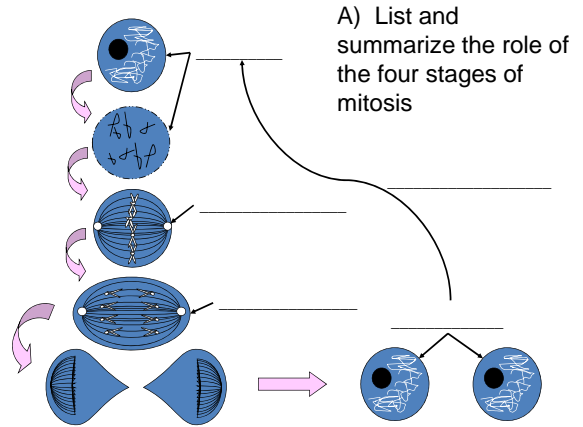


Chapter 10-2, pgs. 244-249

Objectives: Students will

- A) List and summarize the role of the four stages of mitosis
- B) Identify the spindle and its role in mitosis
- C) Define cytokinesis



A) List and summarize the role of the four stages of mitosis

\_\_\_\_\_ stage

\_\_\_\_\_ Stage

The nucleus \_\_\_\_\_ to make \_\_\_\_\_ new  
 \_\_\_\_\_ cells =  
 \_\_\_\_\_ cells = \_\_\_\_\_  
 \_\_\_\_\_ chromosomes or \_\_\_\_\_

If parent cell = 8 chromosomes, how many in daughter cells after mitosis?

A) List and summarize the role of the four stages of mitosis

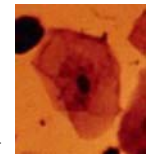
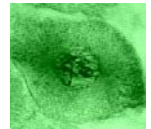
\_\_\_\_\_ The \_\_\_\_\_ (unravalled DNA) = \_\_\_\_\_ chromosomes.

\_\_\_\_\_ breaks down



The \_\_\_\_\_ move to opposite \_\_\_\_\_ of the \_\_\_\_\_.

Nuclear \_\_\_\_\_ starts to form

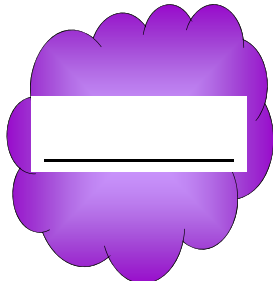


REMEMBER!  
 OR

A) List and summarize the role of the four stages of mitosis

I \_\_\_\_\_ P \_\_\_\_\_ M \_\_\_\_\_  
 A \_\_\_\_\_ T \_\_\_\_\_

- I \_\_\_\_\_
- P \_\_\_\_\_
- M \_\_\_\_\_
- A \_\_\_\_\_
- T \_\_\_\_\_

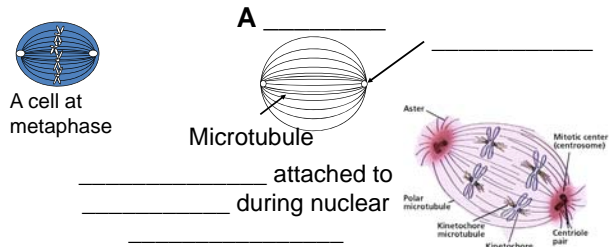


B) Identify the spindle and its role in mitosis

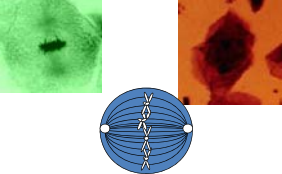
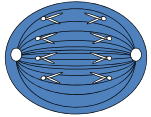
The \_\_\_\_\_

Description: \_\_\_\_\_ structure made of \_\_\_\_\_.

Function: Arranges \_\_\_\_\_ into position for \_\_\_\_\_.



A) List and summarize the role of the four stages of mitosis

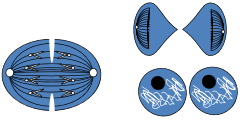
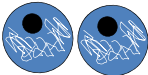
<p>1. _____ is fully developed</p> <p>• 2. _____ pairs = _____ of the spindle, still visible</p> 	<p>1. Chromatid pairs _____</p> <p>2. Travel to _____ ends of the _____</p> <p>3. The halved _____ are now called _____</p> 
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### Understanding Check

Answer the following questions regarding the cell cycle.

- 1. Which phase of the cell cycle is the longest?
  - 2. Name one thing that happens during prophase.
  - 3. What happens to chromosomes during anaphase?
  - 4. What happens during cytokinesis?
- 
- Prentice Hall Biology Video CD

A) List and summarize the role of the four stages of mitosis

<p>_____ new _____ are formed</p> <p>Nuclear membrane is _____ - the _____</p> <p>Chromosomes _____ in _____</p> 	<p>C) Define cytokinesis</p> <p>1. Literally = _____ of the _____</p> <p>2. _____ = Splitting of _____.</p> <p>3. _____ = Splitting of _____</p> <p>4. In Plants = _____, becomes _____</p> 
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A) List and summarize the role of the four stages of mitosis Starting with the resting stage.

