

Cellular Reproduction

Section 9.1 Cellular Growth

Main Idea

Details

Scan the titles, boldfaced words, pictures, figures, and captions in Section 1. Write three facts you discovered about cellular growth as you scanned the section.

1. _____
2. _____
3. _____

Review Vocabulary

Use your book or dictionary to define carbohydrate.

carbohydrate

New Vocabulary

Use your book or dictionary to define each term.

cell cycle

chromatin

chromosome

cytokinesis

interphase

mitosis

Section 9.1 Cellular Growth (continued)

Main Idea _____

Details _____

Cell Size Limitations

I found this information on page _____.

Analyze *movement of nutrients and wastes as cell size increases.*

If a _____	transport of _____	Therefore, cells _____
_____	_____ by _____	before _____
_____,	slows down.	_____.

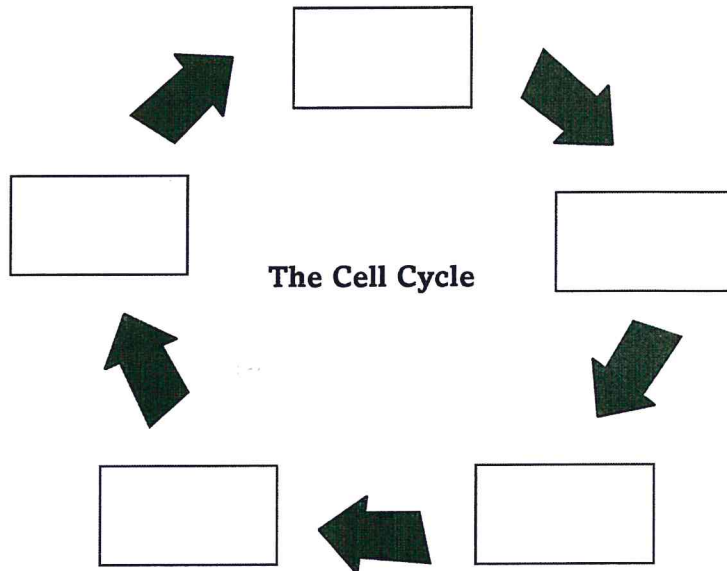
Describe *how surface area-to-volume ratio relates to cell size by completing the sentence.*

As a cell grows larger, its _____ increases more rapidly than its _____, thus surface area-to-volume ratio _____.

The Cell Cycle

I found this information on page _____.

Complete *the diagram of the cell cycle. Describe the main events in each stage.*



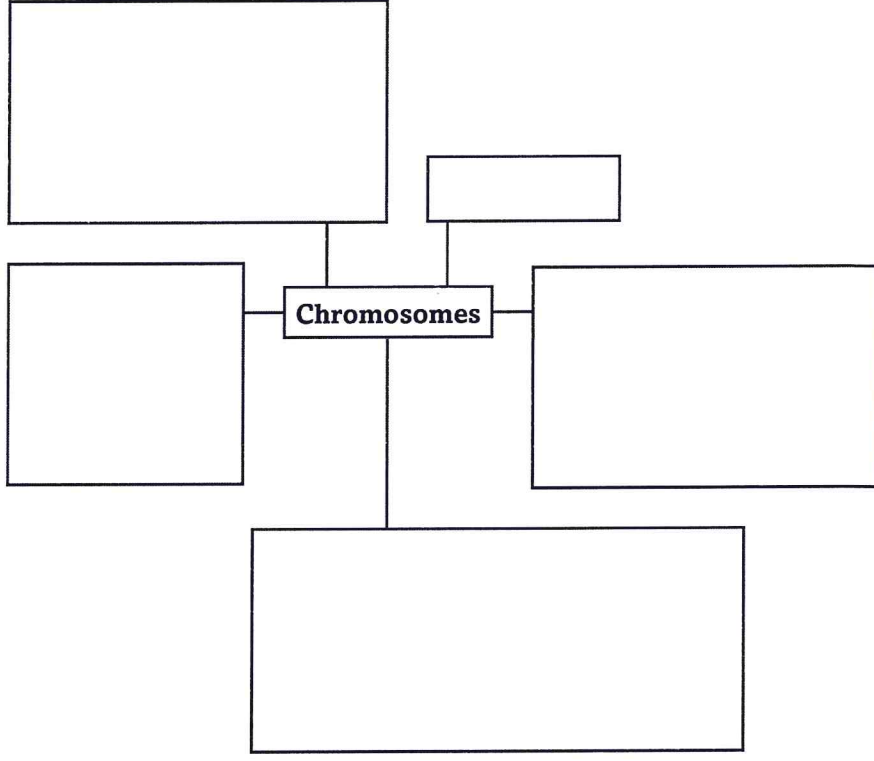
Section 9.1 Cellular Growth (continued)

Main Idea _____

I found this information on page _____.

Details _____

Organize information about chromosomes in the concept web.



Identify four events that occur in a cell during interphase.

- 1. _____
- 2. _____
- 3. _____
- 4. _____

SUMMARIZE

Analyze the relationship between cell size and the stages of the cell cycle.
