	Class	Date
Skills Worksheet		Also page
Directed Read	ling	Section Review #
Section: Mitosis an	d Cytokinesis	**************************************
Read each question, and w	rite your answer in the sp	pace provided.
1. What function do spino	dles perform during mitos	sis?
2. What function do centa	rioles perform in animal o	cell mitosis?
In the space provided, writterm or phrase 3. prophase	a. Chromosomes mo	otion that best matches the
	line up along the	oguator
4. telophase		-
4. telophase 5. metaphase	b. A nuclear envelop at each pole.	pe forms around the chromatids
-	b. A nuclear envelope at each pole.c. Chromosomes cod. The two chromat	pe forms around the chromatids il up and become visible.
5. metaphase 6. anaphase Study the following steps of	 b. A nuclear envelope at each pole. c. Chromosomes co d. The two chromates as the spindle fiber of mitosis. Determine the 	pe forms around the chromatids il up and become visible. ids move toward opposite poles ers attached to them shorten.
5. metaphase 6. anaphase Study the following steps of	 b. A nuclear envelope at each pole. c. Chromosomes co d. The two chromates as the spindle fiber of mitosis. Determine the 	pe forms around the chromatids il up and become visible. ids move toward opposite poles ers attached to them shorten.
5. metaphase 6. anaphase Study the following steps of place. Write the number of	 b. A nuclear envelope at each pole. c. Chromosomes co d. The two chromates as the spindle fiber of mitosis. Determine the 	pe forms around the chromatids il up and become visible. ids move toward opposite poles ers attached to them shorten. order in which the steps take
5. metaphase 6. anaphase Study the following steps of place. Write the number of 7. prophase	 b. A nuclear envelope at each pole. c. Chromosomes co d. The two chromates as the spindle fiber of mitosis. Determine the 	pe forms around the chromatids il up and become visible. ids move toward opposite poles ers attached to them shorten.

Complete each statement by underlining the correct term or phrase in the brackets.

- 11. Cytokinesis begins [before / after] mitosis.
- 12. During cytokinesis in animal cells, the cell is pinched in half by [the cell wall / a belt of proteins].

Name		Class	Date
Skills W	orksheet		
Actio	e Reading		

Section: Mitosis and Cytokinesis

Read the passage below. Then answer the questions that follow.

During cytokinesis, the cytoplasm of the cell is divided in half, and the cell membrane grows to enclose each cell, forming two separate cells as a result.

During cytokinesis in animal cells and other cells that lack cell walls, the cell is pinched in half by a belt of protein threads.

Plant cells and other cells that have rigid cell walls have different method of dividing the cytoplasm. In plant cells, vesicles formed by the Golgi apparatus fuse at the midline of the dividing cell and form a cell plate. A cell plate is a membrane-bound cell wall that forms across the middle of the cell. A new cell wall then forms on both sides of the cell plate.

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In the space provided, match each statement with the stage of cellular division it describes. Write a if the statement describes cytokinesis in animal cells, write p if it describes cytokinesis in plant cells, or write b if it describes cytokinesis in both.

it de	scribes cytokinesis in plant cells, or write b if it describes cytokinesis in both
	1. The Golgi apparatus forms vesicles.
	2. Two genetically identical cells are formed.
	3. A belt of protein thread pinches the cell in half.
	4. A cell plate forms across the cell's middle.
	5. The cytoplasm of the cell divides in half.
	6. A cell wall forms on both sides of cell plate.
	nalogy is a comparison. In the space provided, write the letter of the term or se that best completes the analogy.
	7. Plant cell is to cell plate as animal cell is to
	a. nucleus.
	b. cytoplasm.
	c. protein threads.
	d. Both (a) and (b)