

Name: _____

Date: _____

Period: _____

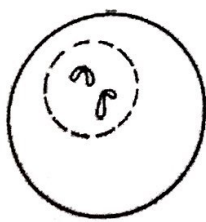
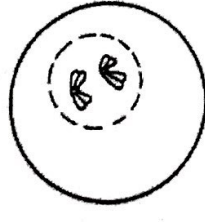
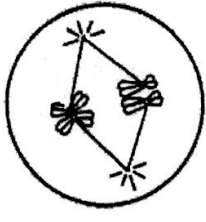
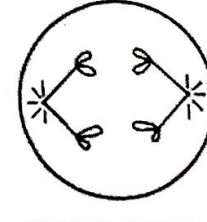
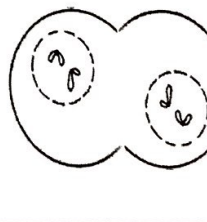
Cell Division

Week # _____

Directions: Read p. 279 – 284. Then answer the questions below.

Question	Description
How do cells make sure their genetic information is divided properly in cell division? (p. 279)	
What is a chromosome? (p. 279)	
Why is it necessary to package DNA into chromosomes? (p. 280)	
What occurs in the cell cycle? (p. 280)	
What happens in interphase? (p. 281)	
What are the four phases of mitosis? (p. 282)	

Directions: Use p. 282 – 284 to label and describe each phase of cell division.

Mitosis Rap Song

- Type the following link into your browser:

<http://www.nclark.net/MitosisRap.mp3>

- Listen to the song to answer the questions. (Note: the lyrics are repeated more than once, so if you miss something the first time, it will come up again.)

Directions: Listen to the rap song to complete the lyrics. Then answer the analysis questions.

I is for _____ – it's step one. The step before _____ has begun.
P is for _____ – it's step two. The chromosomes _____, dawg. That's what they do.
M is for _____ – it's step three. The chromosomes _____ as you can see.
A is for _____ – it's step four. As chromosomes _____ from the center.
T is for _____ – it's step five, right. Two _____ cells are made and both are _____.
A'ight?

Break it down:

Mitosis tells all my cells to _____. Each cell puts chromosomes to opposite sides. It makes daughter cells that are two of a _____, two of a _____.

Analysis Questions

1. What is the name of the phase in the cell cycle that occurs before mitosis? _____
2. Place the following events of the cell cycle in order from beginning to end:

_____ chromosomes line up in the middle of the cell

_____ chromosomes duplicate

_____ two daughter cells are made each with the same amount of chromosomes

_____ chromosomes pull away from the middle of the cell

3. What is the end result of mitosis? _____