

Name: _____

Period: _____

3.1 review: The Cell Cycle and Cell Division

1. **Distinguish** between mitosis and cytokinesis.

2. A duplicated chromosome is made of two _____.

3. **Use the term** *interphase* in a sentence.

4. Which is not a part of mitosis?

- a. anaphase
- b. interphase

- c. prophase
- d. telophase

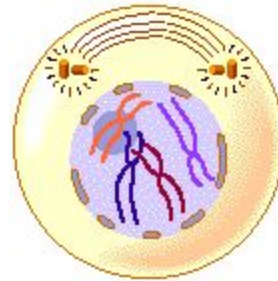
5. **Construct** a table to show the different phases of mitosis and what happens during each.

Mitosis Phase	What Happens

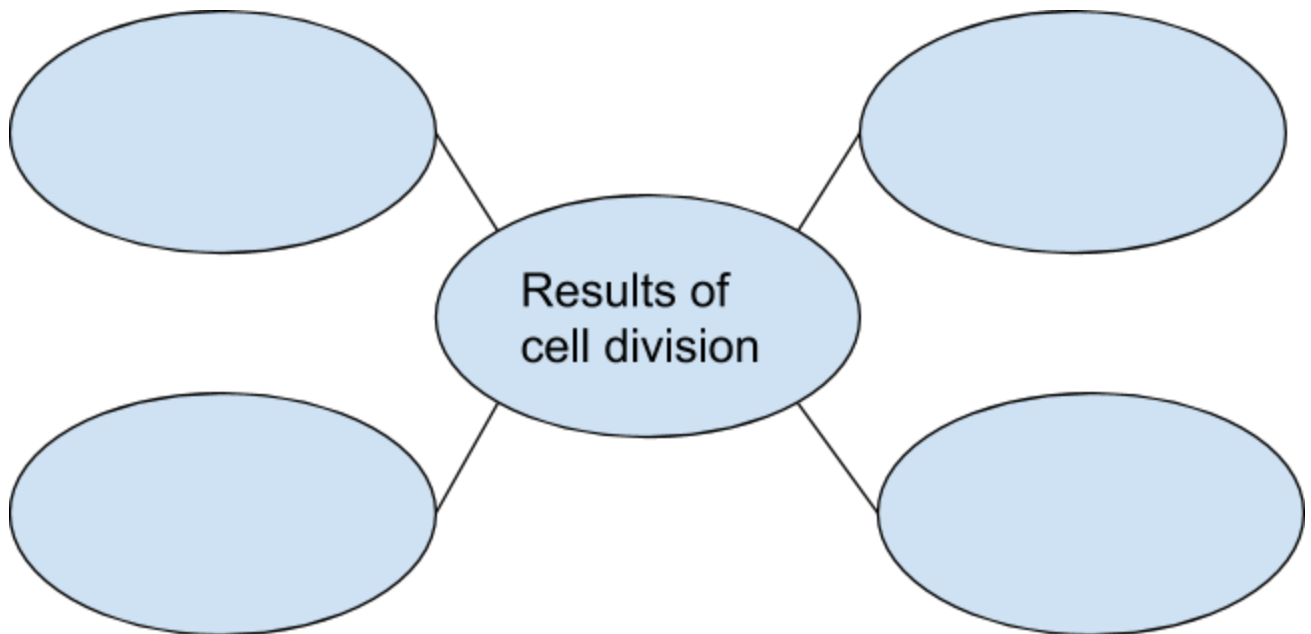
6. **Give three examples** of why the result of the cell cycle is important.

- 1.
- 2.
- 3.

7. **Identify** the phase of mitosis the animal cell is in the picture below.



8. **Organize the graphic organizer below to show results of cell division:**



9. **Predict** what might happen to a cell if it were unable to divide by mitosis.

10. **Math Skills** The mitotic phase of the human cell cycle takes approximately 1 hour. What percentage of the 24-hour cell cycle is the mitotic phase?