Name	Class	Date	

Section 10-2 Cell Division (pages 244-249)

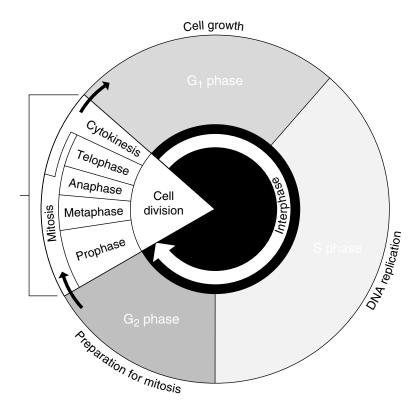
This section describes the main events of the cell cycle. It also explains what happens during mitosis, when cell division occurs.

Chromosomes (page 244)

- **1.** Is the following sentence true or false? Chromosomes are not visible in most cells except during cell division. _____
- **2.** When chromosomes become visible at the beginning of cell division, what does each chromosome consist of?
- **3.** Each pair of chromatids is attached at an area called the ______.

The Cell Cycle (page 245)

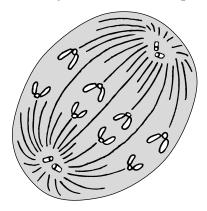
- **4.** The period of growth in between cell divisions is called ______.
- 5. What is the cell cycle?
- **6.** Complete the diagram of the cell cycle by writing the names of each of the four phases.



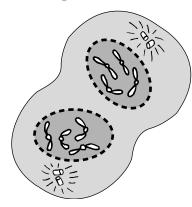
20. The nucleolus becomes visible in each daughter

nucleus.

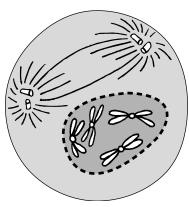
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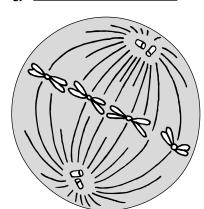
a. _____



_



b. _____



d. _____

Cytokinesis (page 248)

- 22. What is cytokinesis? _____
- 23. How does cytokinesis occur in most animal cells?
- **24.** Circle the letter of what forms midway between the divided nucleus during cytokinesis in plant cells.
 - **a.** cell nucleus

c. cell plate

b. cytoplasm

d. cytoplasmic organelles

Reading Skill Practice

You may sometimes forget the meanings of the vocabulary terms that were introduced earlier in the textbook. When this happens, you can check the meanings of the terms in the Glossary, which you can find at the end of the book, preceding the Index. Use the Glossary to review the meanings of all the vocabulary terms listed on page 244. Write their definitions on a separate sheet of paper.