

## Reviewing Vocabulary

Write the word or phrase that best completes each statement.

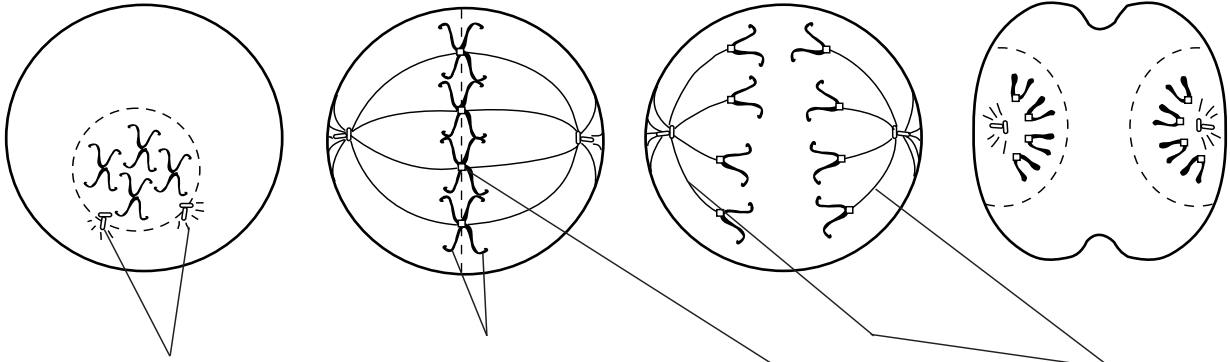
1. The transport of materials against a concentration gradient is called \_\_\_\_\_.
2. The phase of mitosis in which the sister chromatids separate from each other is \_\_\_\_\_.
3. A solution in which the concentration of dissolved substances is lower than the concentration inside a cell is \_\_\_\_\_.
4. The sequence of growth and division of a cell make up the \_\_\_\_\_.
5. The period during which chromosomes duplicate is \_\_\_\_\_.
6. The segment of DNA that controls the production of a protein is a \_\_\_\_\_.
7. The phase of mitosis in which chromosomes line up on the equator of the spindle is \_\_\_\_\_.
8. The two halves of a doubled chromosome structure are called \_\_\_\_\_.
9. The uncontrolled division of cells may result in \_\_\_\_\_.
10. Passive transport with the aid of transport proteins is \_\_\_\_\_.
11. The process by which nuclear material is divided equally between two new cells is \_\_\_\_\_.
12. Some cells surround and take in materials by the process of \_\_\_\_\_.
13. The structures that hold together sister chromatids are \_\_\_\_\_.

Complete the table by checking the correct column for each statement.

Statement	Interphase	Mitosis
14. Cell growth occurs.		
15. Nuclear division occurs.		
16. Chromosomes are distributed equally to daughter cells.		
17. Protein production is high.		
18. Chromosomes are duplicated.		
19. DNA synthesis occurs.		
20. Cytoplasm divides immediately after this period.		
21. Mitochondria and other organelles are manufactured.		

Identify the following phases of mitosis. Use these choices: telophase, metaphase, anaphase, prophase. Then label the diagrams. Use these choices: sister chromatids, centromere, spindle fibers, centrioles.

22. \_\_\_\_\_ 23. \_\_\_\_\_ 24. \_\_\_\_\_ 25. \_\_\_\_\_



26. \_\_\_\_\_ 27. \_\_\_\_\_ 28. \_\_\_\_\_ 29. \_\_\_\_\_