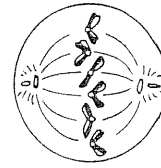
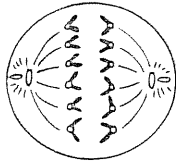


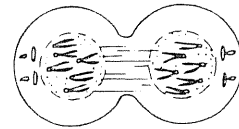
Chapter 4**REINFORCEMENT****● Cell Growth and Division**

Label the following diagrams with the appropriate phase of mitosis.



1. _____

2. _____



3. _____

4. _____

Answer the following questions.

5. Why are skin cells undergoing mitosis continuously? _____

6. Once chromosomes have been copied during interphase, the cell is ready to begin what process? _____
7. During metaphase, the centromeres attach to what structures? _____
8. Why doesn't the cytoplasm pinch in following telophase in plant cells? _____
_____ What happens instead? _____

9. How many chromosomes does each new cell contain after mitosis if the parent has 52 chromosomes? _____
10. Why is mitosis a form of reproduction? _____
11. What are three types of asexual reproduction? _____
12. What types of cells in your body are no longer undergoing mitosis? _____

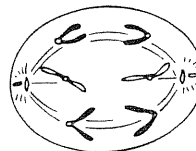
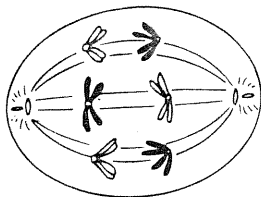
13. What phase of the cell cycle are these cells in? _____

Chapter 4

REINFORCEMENT

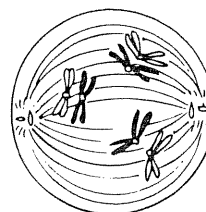
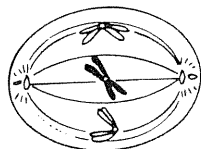
Sexual Reproduction and Meiosis

Label the following diagrams of the stages of meiosis.



1. _____

2. _____



3. _____

4. _____

Answer the following questions.

5. In what way is meiosis II similar to mitosis? _____

6. How are gametes different from other cells in the body? _____

7. What happens during fertilization? _____

8. What is the total number of paired chromosomes in a body cell called? _____

9. Do centromeres divide at anaphase I or II? _____

10. Starting with one cell, how many haploid sperm cells are formed after both phases of

meiosis? _____