

Genetics

Name: _____

Meiosis

Period: _____

Use Chapter 6, Section 3 of your textbook to answer the questions below.

Meiosis (p.190)

1. Sex cells are made during _____ .
2. During meiosis, cells with _____ the usual number of chromosomes are made.
3. A human egg cell has _____ chromosomes. A human sperm cell has _____ chromosomes.
4. After a human egg cell and a human sperm cell join, the cell that is made has _____ chromosomes.

The Steps of Meiosis

5. Each chromosome is _____ before meiosis begins.
6. During meiosis, the nucleus divides _____ , instead of just once.
7. Meiosis makes _____ sex cells, instead of two exact copies of the original cell.
8. Each sex cell that is made has _____ the number of chromosomes as the original cell that it came from.

Below are diagrams of the various steps of meiosis. In the boxes, number the steps from 1 - 8 in the correct order. Use Figure 4 to help you.

