

Genetics

Name:

Meiosis

Period:

Use Chapter 6, Section 3 of your textbook to answer the questions below. The word bank can be used to fill out the sentences below.

copied half half meiosis twice

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 (p.190)

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.

