

# Genetics

Name: \_\_\_\_\_

## Meiosis

Period: \_\_\_\_\_

Use Chapter 6, Section 3 of your textbook to answer the questions below. The word banks can be used to fill out the sentences below them. Some terms may be used more than once.

copied    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 \_\_\_\_\_.
7. Meiosis makes \_\_\_\_\_ sex cells.
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.

