

Conceptual Biology

Chapter 6: Inheritance

Comparing Mitosis and Meiosis

1. Give some examples of when organisms use mitosis.

2. a. When do organisms use meiosis?

b. What kinds of cells are produced through meiosis?

Circle the correct answers:

3. a. In meiosis, the number of cells produced is [one] [two] [three] [four].

In mitosis, the number of cells produced is [one] [two] [three] [four].

b. During meiosis, cells produced are [haploid] [diploid].

During mitosis, cells produced are [haploid] [diploid].

c. The cells produced are [different from one another] [identical] in meiosis.

The cells produced are [different from one another] [identical] in mitosis.

d. Crossing over happens during [mitosis] [meiosis].