

Name _____ Date _____

A.3
Chapter Test

Chapter Test

Reviewing Vocabulary

Complete each sentence with the correct vocabulary word.

1. The process through which traits are passed from parents to offspring is called _____.
2. Each trait of an organism is determined by a short segment of DNA called the _____.
3. _____ occurs when a female gamete joins with a male gamete to form a new organism.
4. The practice of breeding plants and animals for desirable traits is known as _____.

True or False

For each statement, circle the word *True* or the word *False*.

Rewrite each false statement to make it true.

5. A hybrid is an organism made up of two different mutations.
True False

6. An acquired trait is one an organism develops after it is born.
True False

7. Humans have 46 chromosomes in each body cell.
True False

Name _____ Date _____

A.3
Chapter Test

8. An adaptation is an unfavorable trait.

True False

Checking Main Ideas

Circle the letter of the best answer.

9. Which of the following sentences is NOT true?
- A A person's DNA carries his or her genetic blueprint.
 - B Before a cell divides, DNA forms rod-shaped structures called chromosomes.
 - C An organism's DNA never changes.
 - D All organisms have the same number of chromosomes.
10. Individual nucleotides of DNA contain which of the following combinations of substances?
- A a phosphate, a sugar, and a hydrogen base
 - B a sulfate, a sugar, and a nitrogen base
 - C a phosphate, a protein, and a hydrogen base
 - D a phosphate, a sugar, and a nitrogen base
11. Choose the inherited trait from the list below.
- A a spider's ability to spin a web
 - B a dog's ability to roll over
 - C a parrot's ability to talk
 - D a child's ability to ride a bicycle
12. Which of the following is NOT an adaptation?
- A camouflage
 - B warning coloration
 - C deafness
 - D mimicry