Name _____ Date _____

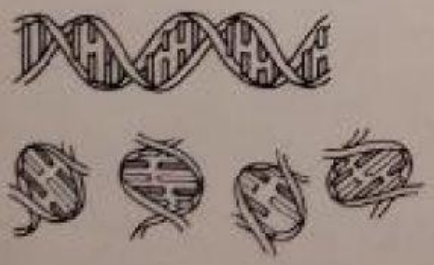
A.3.1
Study Guide B

How Are Traits Inherited?

Main Idea Living things inherit many traits from their parents. They acquire others from their environment.

Fill in the blanks.

1. _____ is the process through which traits are passed from parents to offspring.
2. A(n) _____ is one that an organism develops after it is born.
3. _____ traits are traits that people deliberately change.
4. The information that determines inherited traits is stored within the cell nucleus in a molecule called _____.
5. Each trait of an organism is determined by a short segment of DNA called a(n) _____.
6. The basic units of DNA are called _____.



7. The top row of the drawing shows the process of _____.
8. The bottom row of the drawing shows a(n) _____.

Word Bank

a. gene
b. manipulated
c. nucleotides
d. DNA
e. heredity
f. mutation
g. acquired trait
h. DNA replication

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