

Chapter 9 Unit Test

Drag and Drop to complete the statement.

WORD BANK: (SOME WORDS WILL NOT BE USED)

m/s²

km/hr²

constant

instantaneous

velocity

accelerates

acceleration

the ground

bicycle

stationary

velocity

motion

average

1. A change in an object's position relative to a reference point is called _____.
2. When riding a bicycle past a building, you are not moving relative to the _____.
3. Speed that does not change is referred to as _____ speed.
4. The statement that the motion of a hurricane is 20 kilometers per hour in an easterly direction is a description of the hurricane's _____.
5. Acceleration is the rate of change in _____.
6. A golf ball _____ when either its speed or its direction changes.
7. The abbreviation of the unit of acceleration (meters per second per second) is _____.
8. Speed measured on a speedometer is _____ speed.

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- ____ 9. When an object's distance from another object is changing,
 - a. it is in motion.
 - b. it is speeding.
 - c. it has a high velocity.
 - d. it is accelerating.
- ____ 10. A place or object used for comparison to determine if something is in motion is called
 - a. a position.
 - b. a reference point.
 - c. a constant.
 - d. velocity.