

Chapter

5

HOLT PHYSICS

Test A

Work and Energy

MULTIPLE CHOICE On the line at the left of each statement, write the letter of the choice that best completes the statement or answers the question.

1. _____ A force does work on an object if a component of the force
 - a. is perpendicular to the displacement of the object.
 - b. is parallel to the displacement of the object.
 - c. perpendicular to the displacement of the object moves the object along a path that returns to its starting position.
 - d. parallel to the displacement of the object moves the object along a path that returns to its starting position.
2. _____ Which of the following energy forms is NOT involved in hitting a tennis ball?
 - a. kinetic energy
 - b. chemical potential energy
 - c. gravitational potential energy
 - d. elastic potential energy
3. _____ If the only force acting on an object during a given physical process is friction, which of the following assumptions must be made in regard to the object's kinetic energy?
 - a. The kinetic energy decreases.
 - b. The kinetic energy increases.
 - c. The kinetic energy remains constant.
 - d. The kinetic energy decreases and then increases.
4. _____ Which of the following energy forms is associated with an object in motion?
 - a. potential energy
 - b. elastic potential energy
 - c. nonmechanical energy
 - d. kinetic energy
5. _____ Which of the following energy forms is associated with an object due to its position relative to Earth?
 - a. potential energy
 - b. elastic potential energy
 - c. gravitational potential energy
 - d. kinetic energy
6. _____ Which form of energy is involved in weighing fruit on a spring scale?
 - a. kinetic energy
 - b. nonmechanical energy
 - c. gravitational potential energy
 - d. elastic potential energy
7. _____ Which of the following energy forms is associated with an object's interaction with the environment?
 - a. potential energy
 - b. kinetic energy
 - c. mechanical energy
 - d. nonmechanical energy

Chapter 5 Work And Energy Test

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McCloskey Campbell, Shaun
Murphree, Jennifer M. Warner, Amy B.
Wachholz, Kathy A. Zahler**

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