

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) The greater an object's mass at a given speed, the _____ kinetic energy it possesses. 1) _____
A) greater
B) less
C) equal
D) none of these

- 2) A dynamometer actually measures the _____ output of an engine. 2) _____
A) torque
B) power
C) force
D) none of these

- 3) Technician A says that work is being performed if a force is being applied, yet the object does not move. Technician B says that torque is a twisting force that may or may not result in motion. Which technician is correct? 3) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 4) What term describes the ability to do work? 4) _____
A) Energy
B) Force
C) Potential
D) Thermodynamics

- 5) Technician A says that torque always involves movement. Technician B says that torque may be multiplied by leverage. Which technician is correct? 5) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 6) An example of a lever and mechanical advantage used on a vehicle is the _____. 6) _____
A) radio volume control
B) brake pedal
C) fuel tank
D) battery

- 7) Work describes the movement of an object when force is applied. 7) _____
A) True
B) False

8) Two technicians are discussing temperature and heat. Technician A says that temperature is the intensity of the heat source. Technician B says that heat is the amount of heat. Which technician is correct? 8) _____

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

9) Heat can be transferred by how many different methods? 9) _____

- A) Three
- B) Six
- C) Four
- D) None of these

10) The type of plastic can be determined by using a _____ test. 10) _____

- A) burn
- B) weight
- C) color
- D) depression

Answer Key

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1) A

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2) A

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3) B

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4) A

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5) B

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6) B

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7) A

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8) C

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9) A

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10) A

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