Assessment

DIRECTIONS: Read each question carefully. Choose the letter of the best answer.

1. Which of the following is TRUE about Galileo's assertion about free-falling bodies?

a. Bodies will fall on the surface of the Earth at a constant acceleration.
b. Bodies will fall on the surface of the Earth at a constant speed.
c. Bodies will fall on the surface of the Earth at a constant velocity.
d. Bodies will fall on the surface of the Earth at a constant projectile.

2. Which of the following is NOT considered part of Aristotelian's natural motion?

a. A book resting on top of a table
b. Pushing a cart
c. An apple falling from a tree
d. Smoke naturally rises

3. Which of the following is NOT an assertion of Galileo?

a. A body that is in uniform motion will move a distance that is proportional to the time it will take to travel.
b. A uniformly accelerating body will travel at a speed proportional to time.
c. An object in motion will keep moving, and the external force is not necessary to maintain the motion.
d. A body will fall on the surface of the Earth at a constant speed.

4. Which of the following is TRUE about Aristotle's assertion about vertical motion?

a. The distance of a body is inversely proportional to the time it covers to travel a certain height.
b. The mass of a body is inversely proportional to the time it covers to travel a certain height.
c. The acceleration of a body is inversely proportional to the time it covers to travel a certain height.
d. The velocity of a body is inversely proportional to the time it covers to travel a certain height.

5. Which of the following is TRUE about inertia based on Galileo's conception?

a. Inertia is responsible for bringing a body to move.
b. Inertia is responsible for the continuous acceleration of a body.
c. The amount of inertia of a body is directly proportional to its mass.
d. The amount of inertia of a body is inversely proportional to its mass.

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6. Rising of smoke is an example of what type of motion according to Aristotle?

a. natural
b. normal
c. reaction
d. violent

7. Which of the following is needed to put a body to rest?

a. inertia
b. force
c. gravity
d. mass

8. The resistance of a medium in response to the movement of a body is known as

a. antiperistasis
b. force
c. inertia
d. gravity

9. What will happen if an external force is acted upon a body at rest?

a. it will move
b. it will not move
c. nothing will happen
d. it will remain in motion

10. What will happen to the acceleration of the body if a marble moves in a sloped downward plane?

a. speed up
b. decelerate
c. nothing
d. not determined

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