



## 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.

**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