What is acceleration?

(a) The force exerted on an object
(b) The rate at which an object changes its velocity
(c) The mass of an object
(d) The distance traveled by an object

Which of the following is an example of positive acceleration?

(a) A car at rest
(b) A car slowing down
(c) A car maintaining a constant speed
(d) A car speeding up

Which of the following equations represents acceleration?

(a) Acceleration = Force / Mass
(b) Acceleration = Distance / Time
(c) Acceleration = Change in velocity / Time
(d) Acceleration = Mass * Velocity

If an object is moving with a constant velocity, what can you say about its acceleration?

(a) Acceleration is zero
(b) Acceleration is negative
(c) Acceleration is positive
(d) Acceleration cannot be determined