

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) $\text{Acceleration} = \text{Force} / \text{Mass}$
- (b) $\text{Acceleration} = \text{Distance} / \text{Time}$
- (c) $\text{Acceleration} = \text{Change in velocity} / \text{Time}$
- (d) $\text{Acceleration} = \text{Mass} * \text{Velocity}$

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