1. What is velocity?

(a) - The rate at which an object changes its position in a specific direction
(b) - The speed of an object
(c) - The distance traveled by an object
(d) - The force acting on an object

2. How is velocity different from speed?

(a) - Velocity is the rate at which an object changes its position, while speed is the distance traveled by an object
(b) - Velocity is a scalar quantity, while speed is a vector quantity
(c) - Velocity is measured in kilometers per hour, while speed is measured in meters per second
(d) - Velocity includes both speed and direction, while speed only refers to the rate of motion

3. Which of the following is an example of negative velocity?

(a) - A car moving in the same direction as a reference point
(b) - A car at rest
(c) - A car moving at a constant speed
(d) - A car moving in the opposite direction of a reference point

4. What is the formula to calculate velocity?

(a) - Velocity = Speed * Time
(b) - Velocity = Displacement / Time
(c) - Velocity = Acceleration * Time
(d) - Velocity = Distance / Time

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