

Answer on question #58106, Physics / Other

Question 10 Which of the following statements is correct?

An object can have a constant velocity even though its speed is changing

An object can have a constant speed even though its velocity is changing

An object can have zero acceleration and eventually reverses its direction

An object can have constant velocity even though its acceleration is not zero

11 Which of these is NOT a statement of Newton's law of universal gravitation?

gravitational force between two particles is attractive as well as repulsive

gravitational force acts along the line joining the two particles

gravitational force is directly proportional to the product of the masses of the particles

gravitational force is inversely proportional to the square of the distance of the particles apart

Solution 10. Following statements is correct:

An object can have a constant speed even though its velocity is changing

11. This is NOT a statement of Newton's law of universal gravitation:

gravitational force between two particles is attractive as well as repulsive