

- 4 An object is moving with an initial velocity of  $4.0 \text{ m s}^{-1}$  to the right. The velocity of the object changes so that its final velocity is  $3.0 \text{ m s}^{-1}$  downwards, as shown.

initial velocity  
 $4.0 \text{ m s}^{-1}$

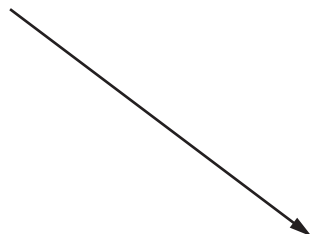


final velocity  
 $3.0 \text{ m s}^{-1}$

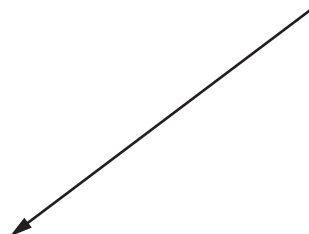


Which arrow represents the change in velocity of the object?

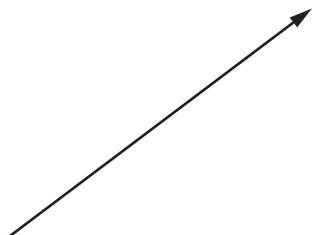
A



B



C



D

