

8 Which statement about work done is correct?

- A** More work is done to change the speed of an object from 2 m s^{-1} to 3 m s^{-1} than to change the speed of the same object from 1 m s^{-1} to 2 m s^{-1}
- B** No work is done by a force that slows a moving object.
- C** The same amount of work is done when lifting an object 1 m at a constant velocity and pulling the same object 1 m across a smooth horizontal surface at a constant velocity.
- D** When an object is dropped, the force of gravity does no work.