

14 In which situation is work done on an object?

- A** The object slides with a constant velocity along a horizontal frictionless surface in a vacuum.
- B** A person holds the object at arm's length and at a fixed height above the ground.
- C** A person pushes the object up a frictionless ramp.
- D** The stationary object floats partially submerged in water.

15 A constant force of 500 N is used to lift a 500 N weight 5.00 m.