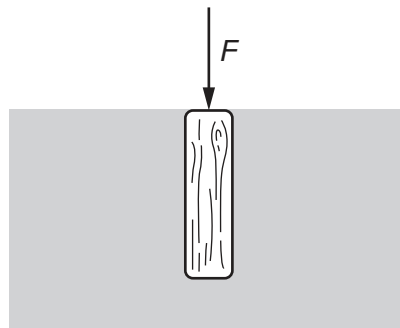
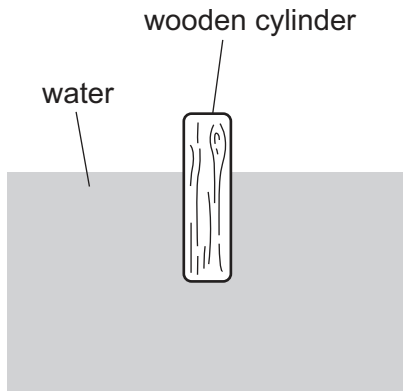


- 16 A wooden cylinder floats partially submerged in a bath of water. A force  $F$  is applied to the cylinder until it is just fully submerged.



Which statement is **not** correct?

- A Some of the water gains gravitational potential energy.
- B The cylinder loses gravitational potential energy.
- C Work is done by force  $F$  on the cylinder.
- D Work is done by the upthrust on the cylinder.

- 17 The motor of a crane lifts a load of mass  $600\text{ kg}$ . The load rises vertically at a constant speed of