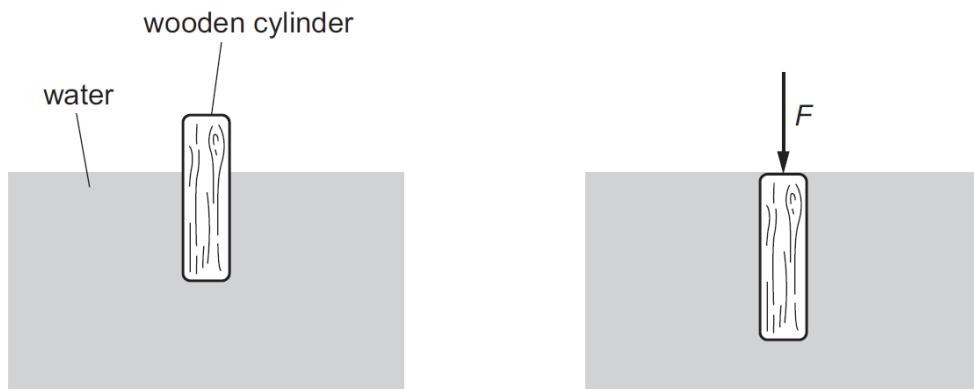


- 9 A wooden cylinder floats in a bath of water as shown. A force F is applied to the cylinder until it is just fully submerged.



Which statement is **not** correct?

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