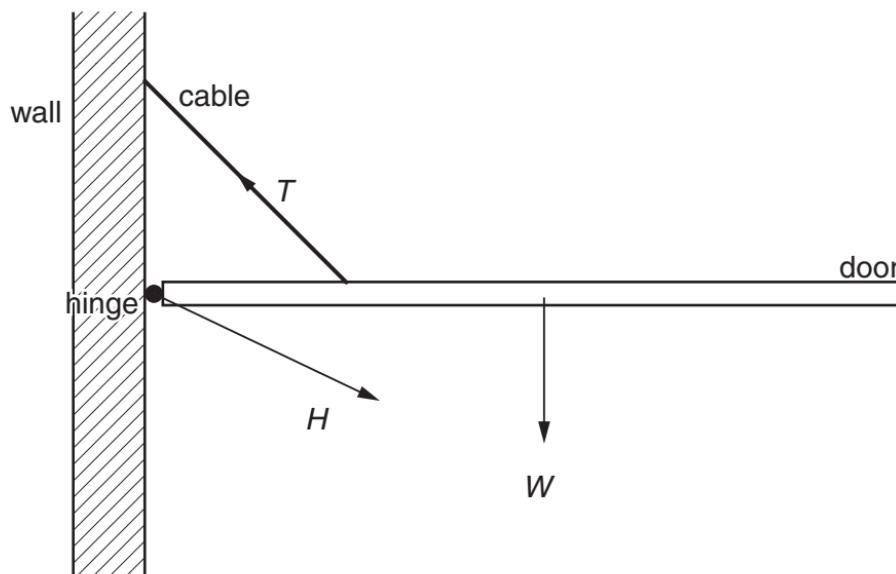


- 16** A hinged door is held closed in the horizontal position by a cable.

Three forces act on the door: the weight W of the door, the tension T in the cable, and the force H at the hinge.



Which list gives the three forces in **increasing** order of magnitude?

- A** H, T, W **B** T, H, W **C** W, H, T **D** W, T, H

- 17** A mass is raised vertically. In time t , the increase in its gravitational potential energy is E , and the