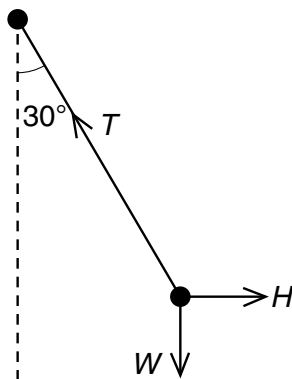


- 3 A pendulum bob is held stationary by a horizontal force H . The three forces acting on the bob are shown in the diagram.



The tension in the string of the pendulum is T . The weight of the pendulum bob is W .

Which statement is correct?

- A** $H = T \cos 30^\circ$ **B** $T = H \sin 30^\circ$ **C** $W = T \cos 30^\circ$ **D** $W = T \sin 30^\circ$