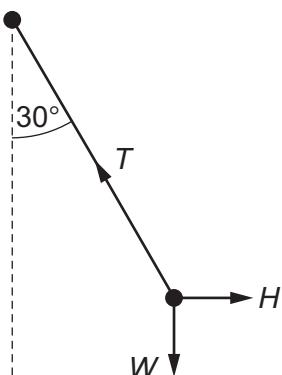


- 3 A pendulum bob is held stationary by a horizontal force H . The three forces acting on the bob are shown in the diagram.



The tension in the string of the pendulum is T . The weight of the pendulum bob is W . The string is held at an angle of 30° to the vertical.

Which statement is correct?

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