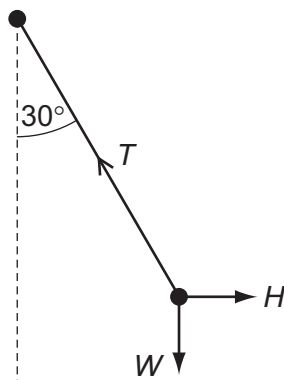


- 2 A pendulum bob is held stationary by a horizontal force  $H$ . The three forces acting on the bob are shown in the diagram.



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  $W = T \sin 30^\circ$

**Space for working**