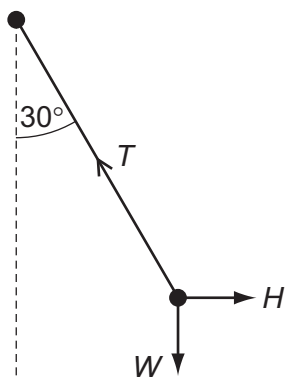


- 1 Which row shows an SI base quantity with its correct unit?

|          | SI base quantity     | unit           |
|----------|----------------------|----------------|
| <b>A</b> | charge               | coulomb        |
| <b>B</b> | current              | ampere         |
| <b>C</b> | potential difference | volt           |
| <b>D</b> | temperature          | degree Celsius |

- 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**