

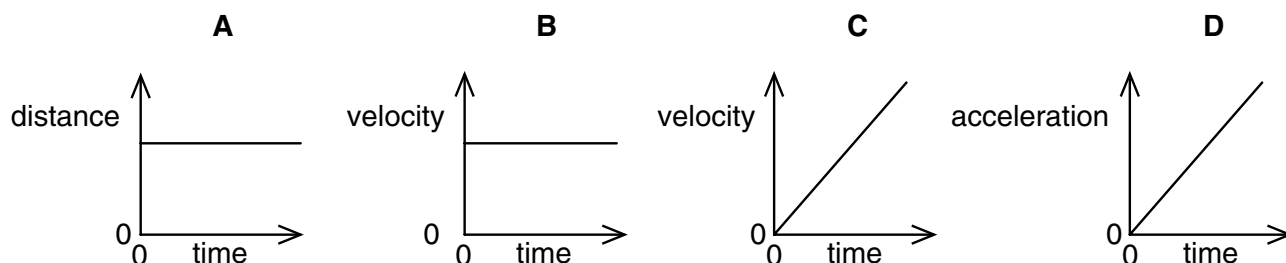
- 1 The prefix 'centi' indicates  $\times 10^{-2}$ . That is, 1 centimetre is equal to  $1 \times 10^{-2}$  metre.

Which line in the table correctly indicates the prefixes micro, nano and pico?

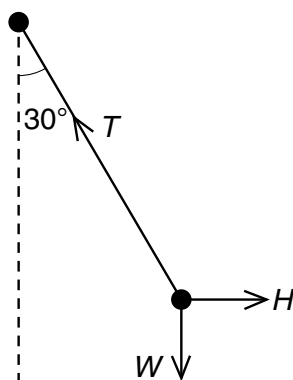
	$\times 10^{-12}$	$\times 10^{-9}$	$\times 10^{-6}$
<b>A</b>	nano	micro	pico
<b>B</b>	micro	pico	nano
<b>C</b>	pico	nano	micro
<b>D</b>	pico	micro	nano

- 2 A particle is moving in a straight line with uniform acceleration.

Which graph represents the motion of the particle?



- 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**  $W = T \sin 30^\circ$