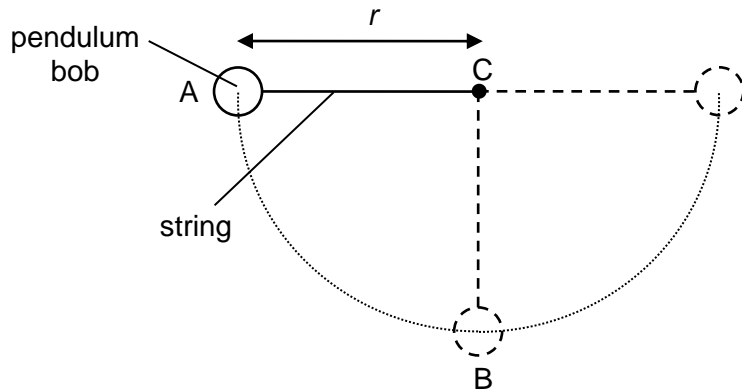


- 9 A pendulum bob of mass  $0.100\text{ kg}$  is supported by a string and swung along a circular path of radius  $r$  about the fixed point C. The bob is momentarily at rest at point A, with the string horizontal and just taut.



What is the tension in the string when the bob is at point B which is vertically below point C?

- A**  $0.981\text{ N}$                       **B**  $1.96\text{ N}$                       **C**  $2.94\text{ N}$                       **D**  $3.92\text{ N}$