5 A simple pendulum takes 1.00 s to swing from one extreme position to the other.

Which of the following expressions gives the length of the pendulum?

☒ **A** $\dfrac{(1.00)^2 \times 9.81}{4\pi^2}$

☒ **B** $\dfrac{(2.00)^2 \times 9.81}{4\pi^2}$

☒ **C** $\dfrac{4\pi^2}{(1.00)^2 \times 9.81}$

☒ **D** $\dfrac{4\pi^2}{(2.00)^2 \times 9.81}$

(Total for Question 5 = 1 mark)