

17 A pendulum bob has a speed of 0.264 m s^{-1} at the mid-point of its travel. It is oscillating along the arc of a circle of radius 0.962 m.

What is the **total** angle through which it is oscillating?

A 4.9°

B 7.0°

C 9.8°

D 14°

18 The thermodynamic temperature of an ideal gas is raised from T to $2T$.