

**2** What is an approximate value for the speed of sound in air?

**A**  $30 \text{ m s}^{-1}$

**B**  $300 \text{ m s}^{-1}$

**C**  $30\,000 \text{ m s}^{-1}$

**D**  $300\,000\,000 \text{ m s}^{-1}$

**3** A pendulum bob is held stationary by a horizontal force  $H$ . The three forces acting on the bob are