

7 An experiment is performed to measure the acceleration of free fall  $g$ . A body falls between two fixed points. The four measurements shown below are taken.

Which measurement is **not** required for the calculation of  $g$ ?

- A** the distance fallen by the body
- B** the initial velocity of the body
- C** the mass of the body
- D** the time taken for the body to fall

8 In a cathode-ray tube, an electron is accelerated uniformly in a straight line from a speed of