

- 6** What will reduce the systematic errors when taking a measurement?
- A** adjusting the needle on a voltmeter so that it reads zero when there is no potential difference across it
 - B** measuring the diameter of a wire at different points and taking the average
 - C** reducing the parallax effects by using a marker and a mirror when measuring the amplitude of oscillation of a pendulum
 - D** timing 20 oscillations, rather than a single oscillation, when finding the period of a pendulum

7 In an experiment to determine the acceleration of free fall g , the time t taken for a ball to fall