

10 A cyclist is riding at a steady speed on a level road.

According to Newton's third law of motion, what is equal and opposite to the backward push of the back wheel on the road?

- A** the force exerted by the cyclist on the pedals
- B** the forward push of the road on the back wheel
- C** the tension in the cycle chain
- D** the total air resistance and friction force

11 In perfectly elastic collisions between two atoms, it is always true to say that