

6 Which is **not** one of Newton's laws of motion?

- A** The total momentum of a system of interacting bodies remains constant, providing no external force acts.
- B** The rate of change of momentum of a body is directly proportional to the external force acting on the body and takes place in the direction of the force.
- C** If body P exerts a force on body Q, then body Q exerts an equal and oppositely-directed force on body P.
- D** A body continues in a state of rest or of uniform motion in a straight line unless acted upon by some external force.