

- 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.