

- 8** What is **not** a statement of one of Newton's laws of motion?
- A** If body X exerts a force on body Y, body Y exerts an equal and opposite force on body X.
 - B** If no resultant force acts on a body it has constant velocity.
 - C** The rate of change of momentum of a body is proportional to the resultant force acting on it and takes place in the direction of the force.
 - D** The total momentum of a system of interacting bodies is constant if there is no external force.