

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.