

- 11** An isolated system consists of two bodies on which no external forces act. The two bodies collide with each other and stick together on impact.

Which row correctly compares the total kinetic energy and the total momentum of the bodies before and after the collision?

	total kinetic energy before and after the collision	total momentum before and after the collision
<b>A</b>	different	different
<b>B</b>	different	the same
<b>C</b>	the same	different
<b>D</b>	the same	the same

- 12** A mass accelerates uniformly when the resultant force acting on it