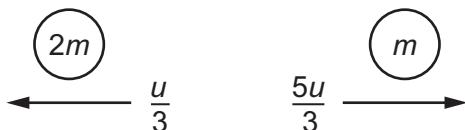


- 10 The diagram shows two spheres approaching each other head-on. Each sphere has speed  $u$ . One sphere has mass  $2m$  and the other has mass  $m$ .

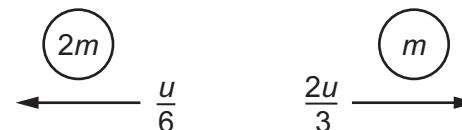


Which diagram shows the result of a perfectly elastic collision?

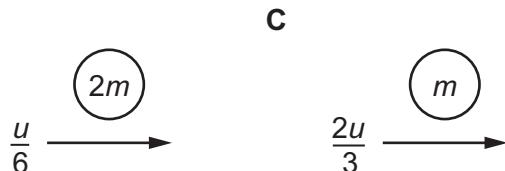
A



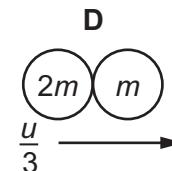
B



C



D



the spheres stick together