

- 13** Which statement is correct with reference to perfectly elastic collisions between two bodies?
- A** Neither total momentum nor total kinetic energy need be conserved but total energy must be conserved.
 - B** Total momentum and total energy are conserved but total kinetic energy may be changed into some other form of energy.
 - C** Total kinetic energy and total energy are both conserved but total momentum is conserved only if the two bodies have equal masses.
 - D** Total momentum, total kinetic energy and total energy are all conserved.

14 Which statement best describes a couple?