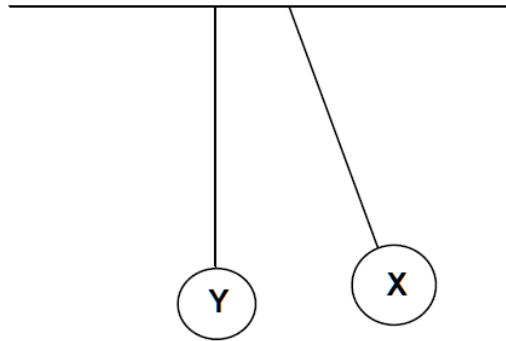


- 5** Two steel balls X and Y are suspended on strings. Ball X is pulled to one side as shown.



After ball X is released, the balls collide.

Which quantities must be conserved in the collision?

- A** kinetic energy, total energy and momentum
- B** kinetic energy and momentum only
- C** kinetic energy and total energy only
- D** total energy and momentum only