

- 7 Two identical balls are projected vertically upwards from ground level with the same initial velocity. Ball X is in a vacuum and ball Y is in air.

Which statement about the motion of the balls is correct?

- A Ball X reaches a greater maximum height and in a longer time than ball Y.
- B Ball X reaches a greater maximum height and in a shorter time than ball Y.
- C Ball Y reaches a greater maximum height and in a longer time than ball X.
- D Ball Y reaches a greater maximum height and in a shorter time than ball X.