

- 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.