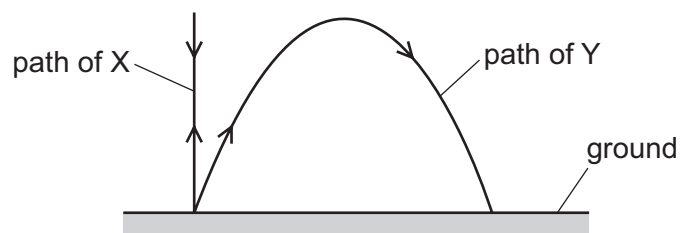


- 6 Two projectiles, X and Y, are fired into the air from the same place on level ground and reach the same maximum height, as shown.



Projectile X is fired vertically upwards and projectile Y is fired at an angle to the horizontal.

Air resistance is negligible.

Which statement is correct?

- A** X and Y are at rest at their maximum heights.
- B** X and Y are fired with the same speed.
- C** X and Y take the same time to return to the ground.
- D** X and Y travel the same distance.