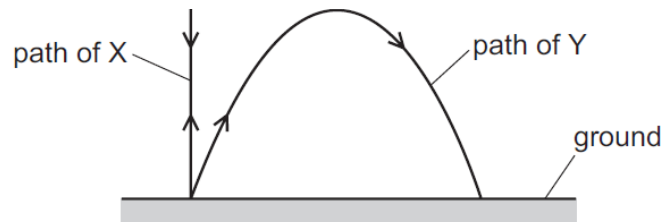


- 3 Two projectiles, X and Y, are launched into the air from the same place on level ground. They reach the same maximum height as shown.



Projectile X is launched vertically upwards and projectile Y is launched 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 launched 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.