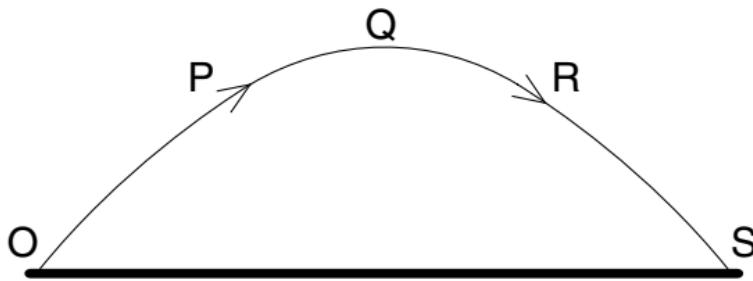


- 8 A projectile is launched at point O and follows the path OPQRS, as shown. Air resistance may be neglected.



Which statement is true for the projectile when it is at the highest point Q of its path?

- A The horizontal component of the projectile's acceleration is zero.
- B The horizontal component of the projectile's velocity is zero.
- C The kinetic energy of the projectile is zero.
- D The momentum of the projectile is zero.

- 9 Two markers M_1 and M_2 are set up a vertical distance h apart.