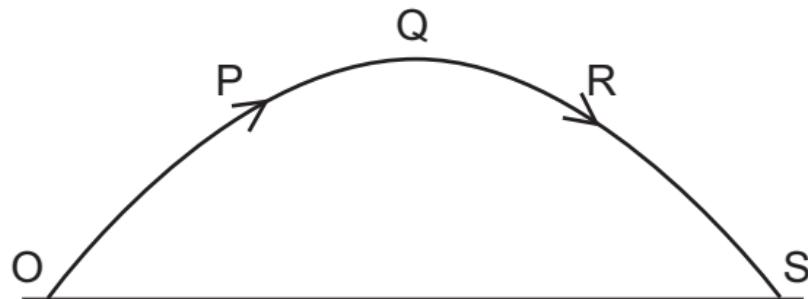


- 10** A projectile is launched at point O and follows the path OPQRS, as shown. Air resistance may be neglected.



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.

- 11** Which row correctly states whether momentum and kinetic energy are conserved in an inelastic