

5 A projectile is launched at an angle of 25° to the horizontal with a horizontal component of velocity of 13 ms^{-1} .

What is the vertical component of the velocity of the projectile when it is launched?

A 5.5 ms^{-1}

B 6.1 ms^{-1}

C 12 ms^{-1}

D 14 ms^{-1}