

8. A projectile is fired into the air from a flat horizontal surface with an initial velocity of 9.8 m/s at an angle of 30° above the horizontal. How much time elapses before the projectile falls back to the horizontal surface?

A. 0.5 s

B. 1 s

C. 2 s

D. 1.73 s

E. 4 Hz

F. Not close to any of the above

Ans. _____