

Chapter 8

MOTION

Q8. A body is thrown vertically upward with velocity & the greatest height 'h' to which will rise is,

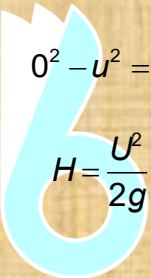
Solution:

$$v^2 - u^2 = 2as$$

Here $u = u$, $v = 0$, $a = -g$, $S = H$

$$0^2 - u^2 = -2gH$$

$$H = \frac{u^2}{2g}$$

 **Brainbox**
learn easy