

#7 $f=0$ $v_i=0$ $v_f=7.3 \times 10^6 \text{ m/s}$

$m = 7.2 \times 10^{-25} \text{ kg}$

$F_n = F = f$ kin

$F_n = F$

$a = \frac{(7.3 \times 10^6) - (0)}{5.5 \times 10^{-6}}$

$F = F_n = ma$

$F = (7.2 \times 10^{-25} \text{ kg})(1.3 \times 10^{12} \text{ m/s}^2)$

$F = 9.58 \times 10^{-13} \text{ N}$

Apr 2-10:09 AM