

Hi Q I+ has the largest area under the curve
Answer key for Physics 12 Review H26

H2

$6.8 \times 10^3 \text{ kg}$ $7.3 \times 10^3 \text{ kg}$

370 m/s 430 m/s

$$\text{Impulse} = F\Delta t = \Delta p$$

$$\Delta p = p' - p$$

$$= m_2 v_2' - m_2 v_2$$

$$= m_2 (v_2' - v_2)$$

$$= 7.3 \times 10^3 \text{ kg} (430 - 370)$$

$$= 7.3 \times 10^3 \text{ N.s}$$