

63-64

$$A_c = ?$$

$$m = 28\text{g} = .028\text{kg}$$

$$r = .8\text{m}$$

$$v = 2.5\text{ m/s}$$

$$A_c = \frac{v^2}{r}$$

$$A_c = \frac{(2.5\text{ m/s})^2}{(.8\text{ m})}$$

$$= 7.8 \frac{\text{m}^2}{\text{s}^2}$$

7.8 m/s²

65

