



ACT: De Broglie

Compare the wavelength of a bowling ball with the wavelength of a golf ball, if each has 10 Joules of kinetic energy.

(1) $\lambda_{\text{bowling}} > \lambda_{\text{golf}}$

(2) $\lambda_{\text{bowling}} = \lambda_{\text{golf}}$

(3) $\lambda_{\text{bowling}} < \lambda_{\text{golf}}$