

- 10** An object X has weight W on the surface of the Earth. How much energy is needed to raise X to height of $2R$ above the surface of the Earth, where R is the radius of the Earth?

A $\frac{1}{3}WR$

B $\frac{2}{3}WR$

C $\frac{3}{2}WR$

D $2WR$

