

**8**

**B is the correct answer**

A is incorrect because the factor  $9.81 = g / (\text{N kg}^{-1})$  is not needed since it is already included in the weight,  $\Delta E_{\text{grav}} = mg\Delta h = W\Delta h$

C is incorrect because dividing by 9.81 removes  $g$  from the calculation

D is incorrect because dividing by 9.81 removes  $g$  and the factor  $25 = \Delta h / \text{m}$  is missing from the calculation

**1**