Testing Water

Fermion

23.4

This is a fairly simple integration it seems;

$$\int_0^{100} 2\frac{\text{kilograms}}{\text{meter}} \cdot \Delta x \cdot 9.8\ \text{ms}^{-2}\ d\Delta x$$

$$\left[2\ \frac{\text{kg}}{\text{m}} \cdot \frac{1}{2}\Delta x^2 \cdot 9.8\ \text{ms}^{-2}\right]_0^{100}$$

$$\frac{\text{kg}}{\text{m}} \cdot (100\text{m})^2 \cdot 9.8\ \text{ms}^{-2}$$

$$10000 \cdot 9.8\ \text{m}^2\ \text{kg}\ \text{s}^{-2}$$

$$98100\ \text{J}$$