Total energy (A)

Question

A bungee jumper jumped from a cliff as shown in the figure. what happens to the potential energy of the jumper?

Solution:

$T = \frac{p^2}{2m}$

$168,750 = \frac{22,500^2}{2m}$

$m = 1500kg$

$V = 1500 * 10 * 6 = 90KJ$