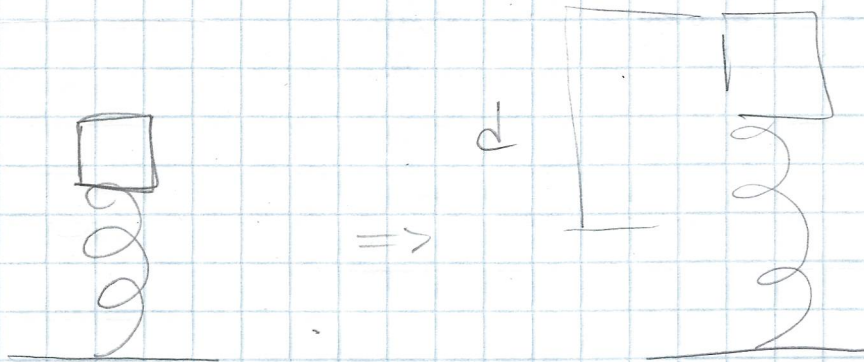


20-P-WE-AF-018

Conservative Forces: Intermediate

Q: What is the change in both gravitational and elastic potential energy? If the spring has a $k = K$, $d = D$, and the block has a mass of $m = M$ kg.

A:



$$\Delta V_e = \frac{1}{2} K d^2$$

$$\Delta V_g = M \cdot g \cdot d$$