

CONSERVATION OF ENERGY MODEL

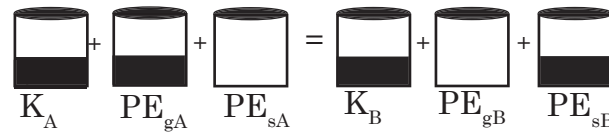
1. DRAW REFERENCE LINE IN GIVEN

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2. WRITE STATEMENT OF COE

$$E_A = E_B$$

3. DRAW AND FILL IN BUCKETS

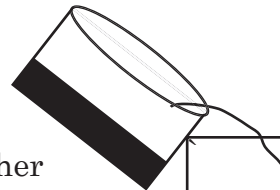


4. WRITE RESULTING ENERGY EQUATION

$$\frac{1}{2}mv_A^2 + mgh_A = \frac{1}{2}mv_B^2 + \frac{1}{2}kx_B^2$$



5. SOLVE EQUATION (MATHEMATICAL PART)



Work that you (or another force, such as gravity) does can fill up K, PEG, or PEs buckets

