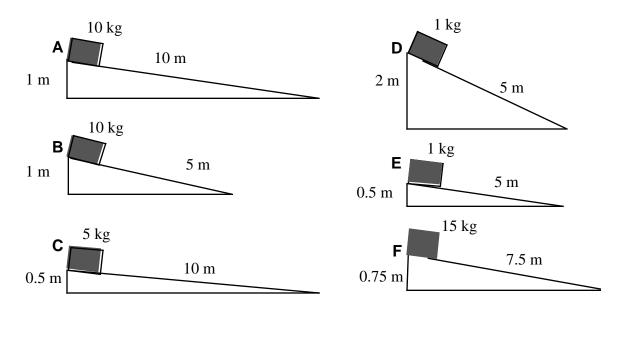
Sliding Masses on Incline—Change in Potential Energy 65

Rank, in order from greatest to least, the change in gravitational potential energy of the sliding masses from the top of the incline to the bottom of the incline. All surfaces are frictionless. All masses start from rest at the top of the incline.



Greatest 1 _____ 2 ____ 3 ____ 4 ____ 5 ____ 6 ____ Least

Or, all masses will have the same change in gravitational potential energy.

Please carefully explain your reasoning.

How sure were you of your ranking? (circle one)

Basically Guessed Sure Very Sure 1 2 3 4 5 6 7 8 9 10

⁶⁵ P. Marquard, D. Maloney