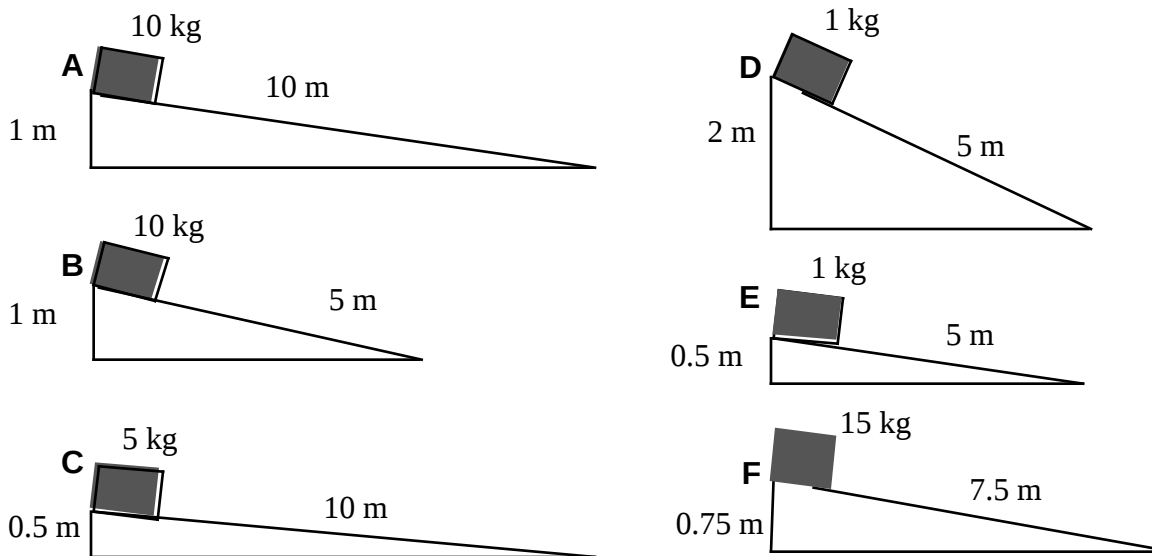


Sliding Masses on Incline—Change in Potential Energy ⁶⁵

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