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Interaction-1

If you raise a rock of mass m a height of h above some reference (the ground, for example), physics 101 says that the potential energy U = m g h.

Yet, a few chapters later, phys 101 says that the potential energy U = - G m M/r, where M is the mass of the earth, r is the distance from the center of the earth (\*).

Question: How do we reconcile between the two expressions?!

(\*) this problem assumes a spherically symmetric mass distribution of the earth which is an acceptable approximation.