This is the energy song
Sing it once and it won't be long (before you)
know all three mechanical energies
know all three mechanical energies



We're about to learn, be prepared Kinetic energy is  $1/2mv^2$  Remember ... we've got the tools (to use) Work and energy in Joules

Gravitational Potential Energy
The Moon's is lowest at perigee
The equation is mgh
m the mass, g is 9.81
h is the vertical height
Above the, gotta set the zero line

PE of the Elastic Kind
1/2kx² is how it's defined
K's the spring constant, and don't be a cheater
It's got units of Newtons per meter
Know this in addition
x's is the displacement from equilibrium position

Work is Fdcos(theta)
F the force for all your data
Objects moves through displacement d
I think that we can all agree (they're only)
Two vectors in the work equation (Theta's)
The angle between the two of them
Be careful, include
Only F d magnitudes

What happens if friction is not there?
Flying through the vacuum you can breathe, called "no air"
All the energies are preserved (because)
Mechanical energy is conserved
Please, don't disappoint
Show your initial and your final points!

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