Spring and oscillators

KE= JWA OL KE = JWCAG - NI)

- Kineticenergy can only be Positive this is because unlike Potential
 it has mass in it equation and mass cannot be negitive also Kinetic
 can only spend or use the amount given so it going into the negitives
 would kind of mean it boilowed energy which is impossible
 - the energy work therom: this states that the network done on a objects is equal to its change in energy.

· gravational Potential energy: Potential energy (aused by gravity

- When you have more than one potential energy you can add them all up
 - · Conservative Forces: in a system that a conservative system no energy is wasted to tentral energy is fully converted to kinetic energy



No enely is leaving the System its only being (onverted)

• F = - du dx • the negitive deriative of Potential energy will give you the Force to explain the meaning of negtive dervative on you do is take the dervative of equation and distribule a negitive sign