

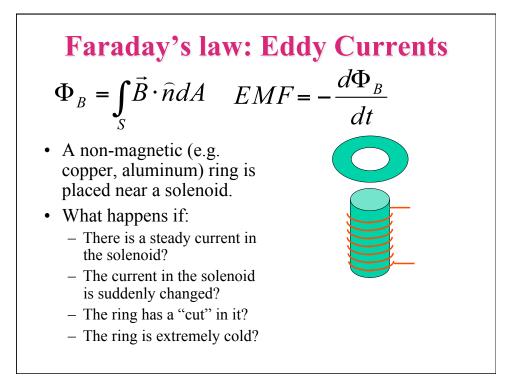
## Some interesting applications

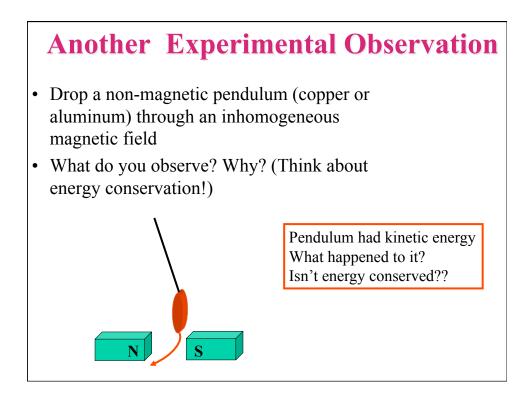


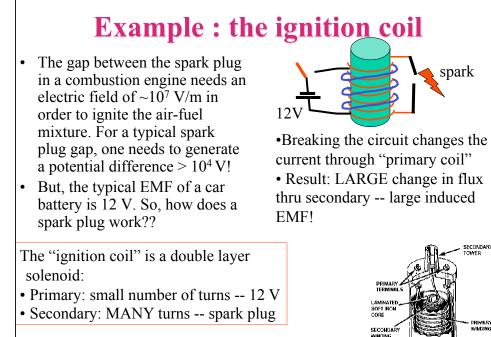
Guitar pickups also use Faraday's Law -- a vibrating string modulates the flux through a coil hence creating an electrical signal at the same frequency.

MagLev train relies on Faraday's Law: currents induced in nonmagnetic rail tracks repel the moving magnets creating the induction; result: levitation!









http://www.familycar.com/Classroom/ignition.htm