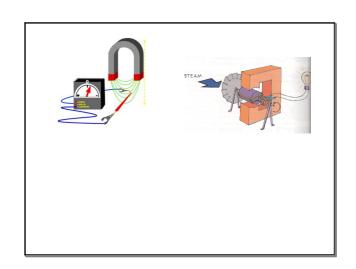


Apr 28-8:30 AM May 19-7:13 PM

Conversely: A moving (or changing)magnetic field can cause a current in a circuit.

More voltage with more turns, stronger magnet, or faster movement.

No movement = No voltage



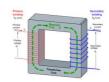
May 19-7:13 PM Apr 28-1:03 PM

Remember:

- 1. An alternating current causes an alternating magnetic field.
- 2. An alternating magnetic field causes an alternating voltage in a circuit.

Putting those facts together gives us...

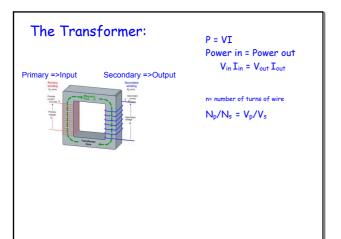
The Transformer:



The transformer changes AC at one voltage to AC at another voltage.

May 19-7:13 PM

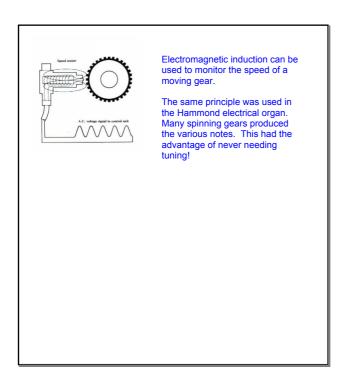
May 19-7:13 PM



An induction coil in a car is a step-up transformer.

The "points" turn the DC on and off very quickly producing a varying current in the primary coil. High voltage comes out of the secondary. The high voltage is used to fire the spark plugs!

May 19-7:13 PM May 20-9:40 PM



Apr 28-1:11 PM