

## AC, & Electronics, Chs 21, 22, 24

Be able to Define, Explain, and Give Examples of the Following:

Be able to solve Problems showing your method (Hup, Two... )

Faraday's Discovery	Three Phase Generator	Phase Relationships in AC
AC Generator	Three Phase Motor	ELI the ICE man
DC Generator	Three Phase Power	Vectors of AC Circuits
Oersted's discovery	Resonance	Ohm's Law for AC
DC Motor	At Resonance...	Correcting the Power Factor
Lenz Law	Synchronizaton	Filter Circuit
Back emf in a motor	Left Hand Rule for wires	Tesla Coil
AC induction motor	Left Hand Rule for coils	Thermionic Emission
Edison Hookup house wiring	Magnetic Relays	The Vacuum Tube
Inductive Reactance	Strength of an electromagnet	Rectifiers
Capacitive Reactance	Hysteresis	Oscillator
Impedance	Three-Fingered LH Rule	Diodes
Power factor	Self-Inductance in coils	Triodes
Power transmission	The Henry	Transistors:
Switching wires transmission line	Selsen (synchronized) Motors	N-type
Correcting for inductive reactance	Induction Coil (Sparky)	P-type
Farad	Transformers	Loudspeaker
Henry	Back emf in a coil	Photoelectric cell
Triode amplifier	The choke coil	CD burning and playing
Solid state amplifier	Flying rings!	TV Tubes
Commutator	The Drop Zone "Brakes".	Full wave rectifier
Heat & Work Formulae	Effective Power	Radio Receiver
Fuse & Circuit Breakers	Electroplating	Rms values
Electrolysis	Radio Transmitter	