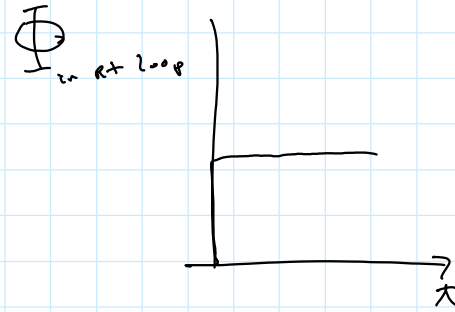
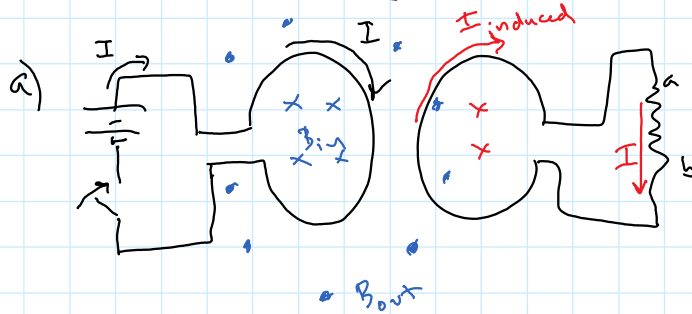
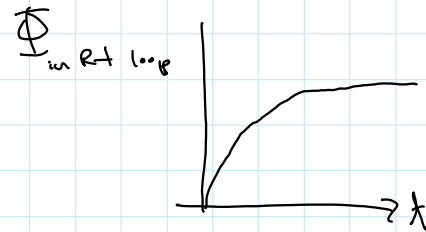


Review for Exam
Start temperature and heat (ch 16)

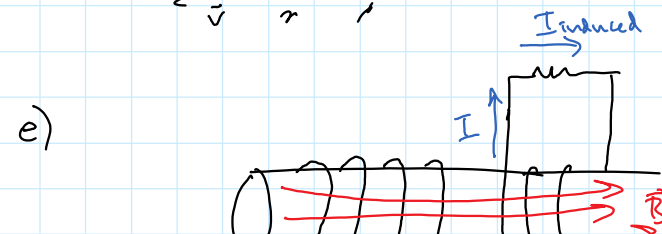
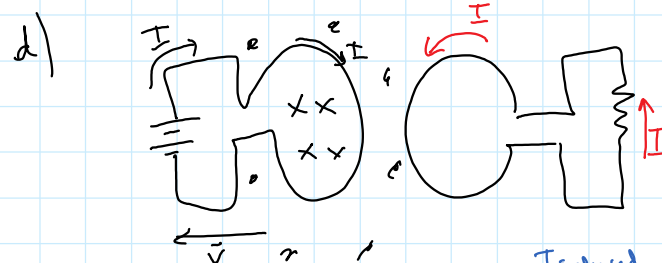
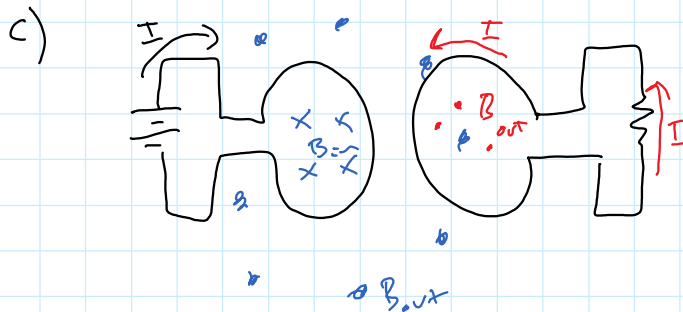
Worksheet
p. 138

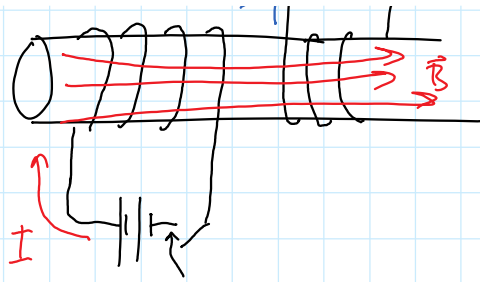


due to self-inductance
of left loop

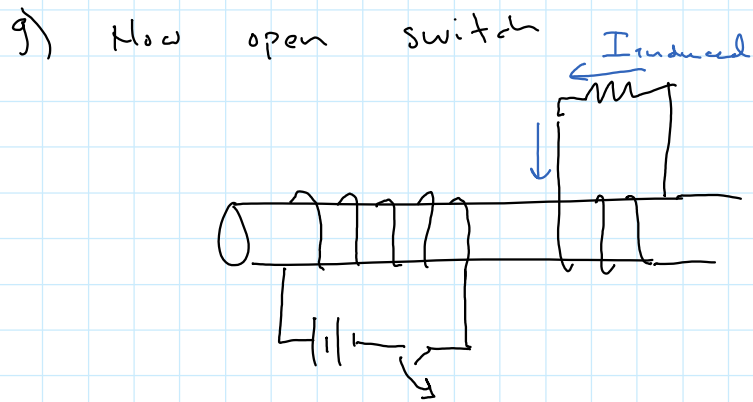


b) No current in R+ loop





f) No current in Rt loop



Worksheet
P. 146

t_1 : B brighter

t_2 : A brighter , B goes out

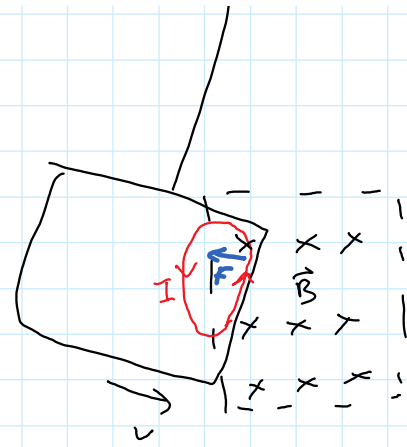
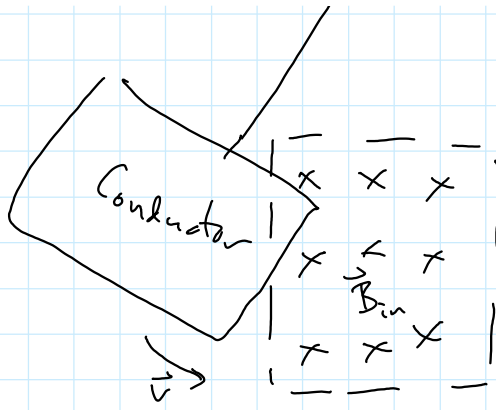
t_3 : equal (both on)

t_4 : equal (both on)

t_5 : equal (both off)

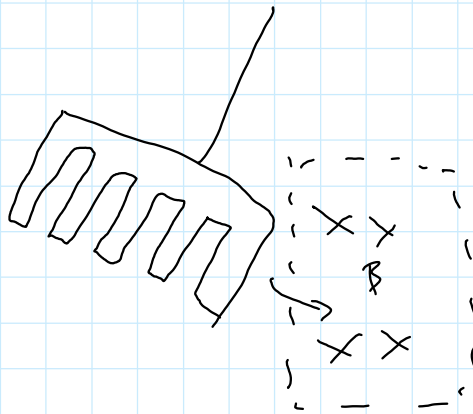
Eddy current





1) Current gets set up due to changing magnetic flux

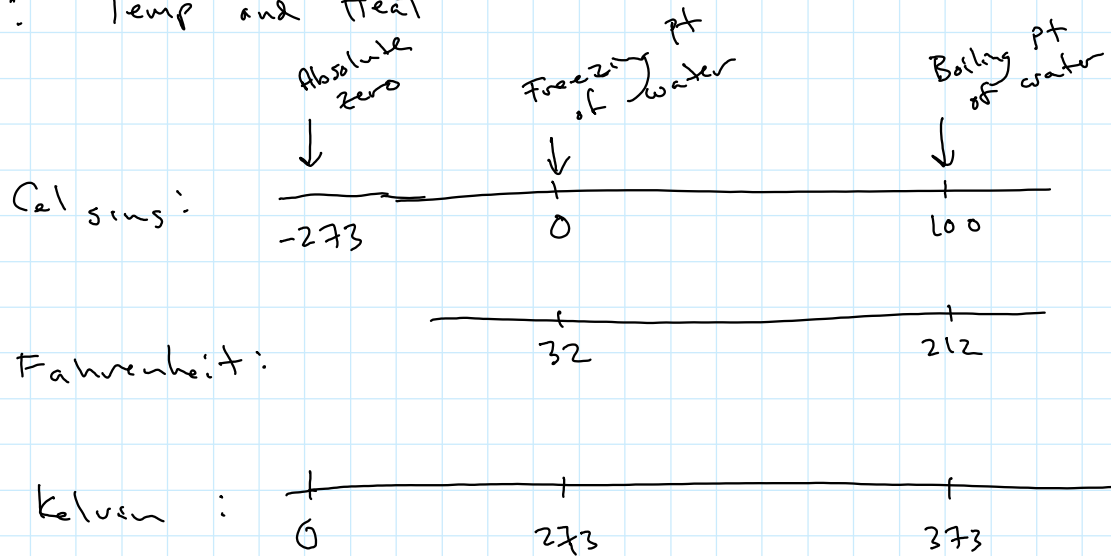
2) current in a B field feels a force
(to the left - in this case)



$$\frac{I_s}{I_p} = \frac{V_p}{V_s} = \frac{N_p}{N_s}$$

~~$$U_L = \frac{1}{2} L I^2$$~~

Ch 16: Temp and Heat

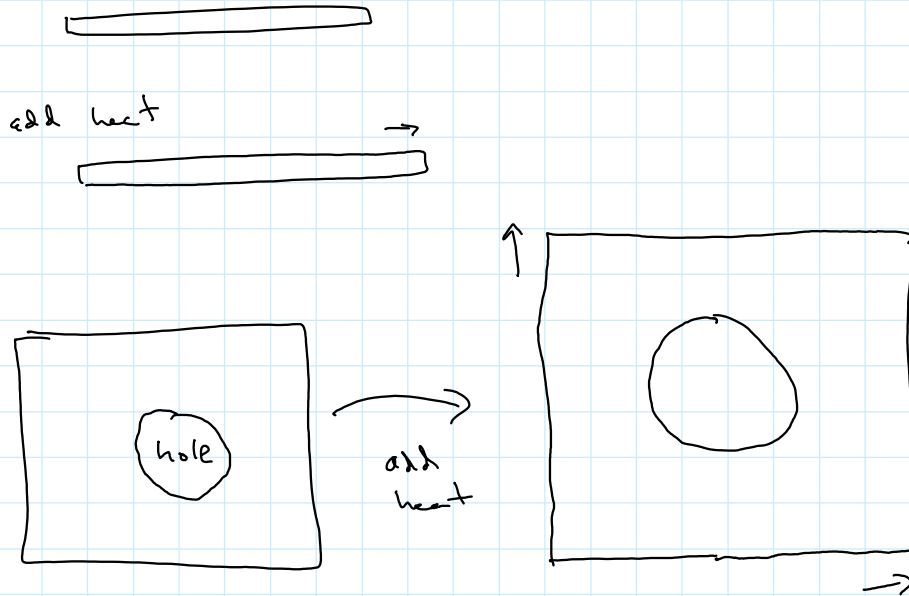


Heat vs. Temp

Heat is energy

Temp is energy per molecule

Thermal expansion:



hole gets bigger also

Specific heat - how much energy it takes to change the temp

Heat transfer:

how does heat flow?

Conduction → primary mode for solids

Convection → primary mode for fluids
(gas, liquid)

Radiation