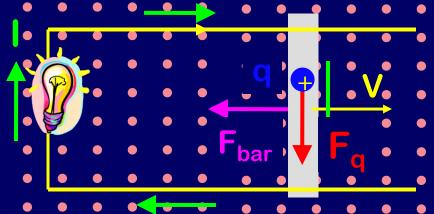


Motional EMF circuit

 Magnitude of current $I = \varepsilon / R = vBL/R$



- Direction of Current Clockwise (+ charges go down thru bar, up thru bulb)
- B field generates force on current-carrying bar $F_{bar} = ILB \sin(\theta)$, to left (RHR1) F_{bar} opposes v!
 - Careful! There are two forces:

F_{bar} = force on bar from induced current Fa = force on + charges in bar driving induced current