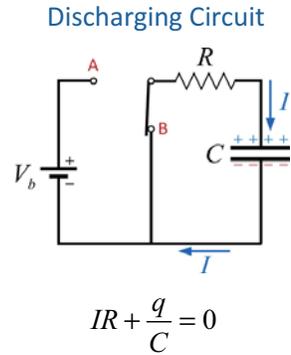
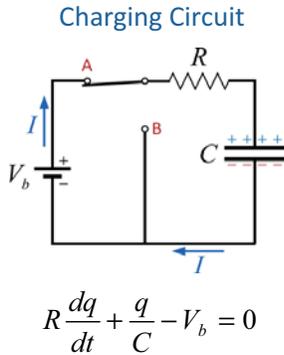
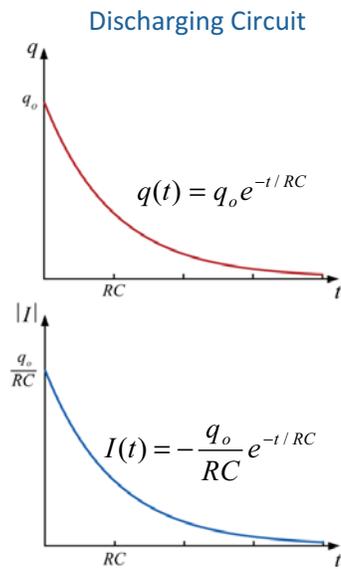
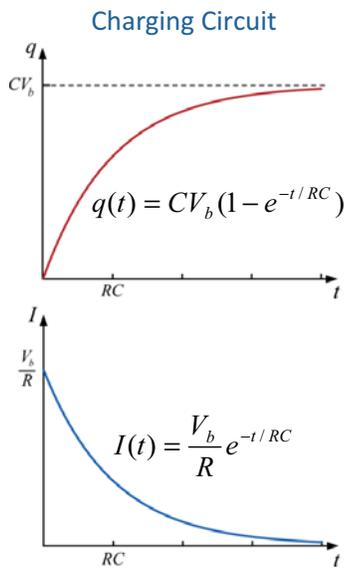


## MAIN POINTS

### KVR Applied to RC Circuits Generate Differential Equations



### Solutions are Exponentials with a Time Constant $\tau = RC$



### Energy Flow in an RC Circuit

Rate at which energy is supplied to the circuit by the battery equals the rate at which it is dissipated in the resistor plus the rate at which it is stored in the capacitor.

