## AP - Chapter 20 Review

Voltage	Current	Resistance	Power	
energy/	charge/sec	resists	energy/	· 14"
charge		current	time	
pushes	flow of	decreases	\$, flow	alis <sup>Mu</sup>
current	current	current	rate	0
V		R	Р	
V = IR	I = q/t	$R = \rho L/A$ $R = R_o(1 + \alpha(T-T_o))$	P = IV	
			$P = I^2R$	
			$P = V^2/R$	

Parallel	Series	
mulitple paths	ONE path	
$1/R_t = \Sigma 1/R_i (R .)$	$R_t = \Sigma R_i (R \mathbf{\uparrow})$	
$I_t = \sum I_i$	$I_t = I_i$	
$V_t = V_i$	$V_t = \Sigma V_i$	
$C_t = \Sigma C_i (C^{\uparrow})$	$1/C_t = \Sigma 1/C_i (C \clubsuit)$	

## **Kirchoff**

$$\Sigma V = 0$$

$$\Sigma V = 0$$

battery +  $\longrightarrow$  - = +  $\bigcirc$   $\longrightarrow$  - = +

resistor = - (unless I opposite loop)



\*\*\*do what you know FOR SURE first

\*\*\* pay attentions to

10 15 >

I(Total) vs I (through specific resistor or path

- > V(Total) vs V (Across ONE branch)
- > R (Total) vs R (of one part, one resistor)

