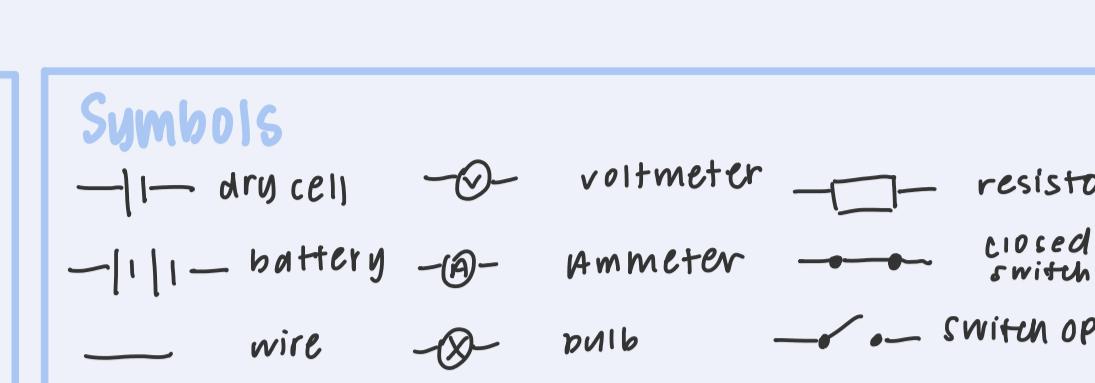


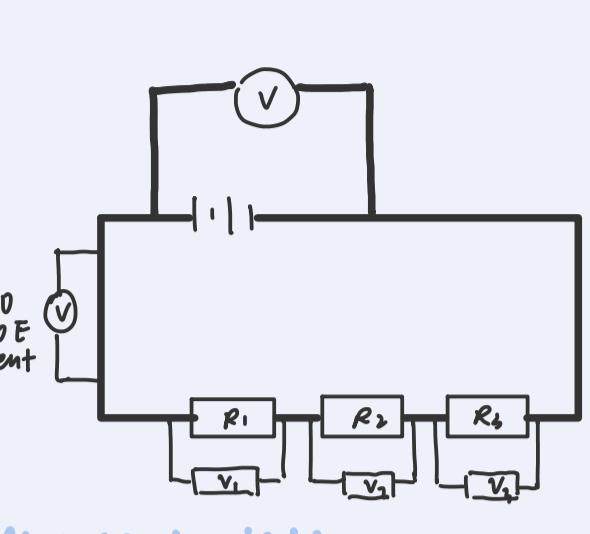
Electricity

STATIC	CURRENT OF ELECTRICITY	POWER	CHARGE	VOLTAGE	RESISTANCE	ELECTRICITY
Q	I	P	C	V	R	E
charge	current (A)	power (W)	current (A)	voltage (V)	resistance (Ω)	chemical potential E



Types of circuits

Series circuits



Characteristics

$$P_{\text{total}} = I^2 \times R_{\text{total}}$$

$$P_1 = P_2 = P_3$$

$$V_1 + V_2 + V_3 = EMF$$

$$I_1 = I_2 = I_3$$

$$V_1 = V_2 = V_3$$

$$P_1 = P_2 = P_3$$

$$I = \frac{V}{R}$$

$$I = \frac{V}{R_1 + R_2 + R_3}$$

$$P = VI = I^2R = \frac{V^2}{R}$$

$$P = \frac{V^2}{R}$$

$$P = \frac{I^2R}{R_1 + R_2 + R_3}$$

$$P = \frac{V^2}{R_1 + R_2 + R_3}$$

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