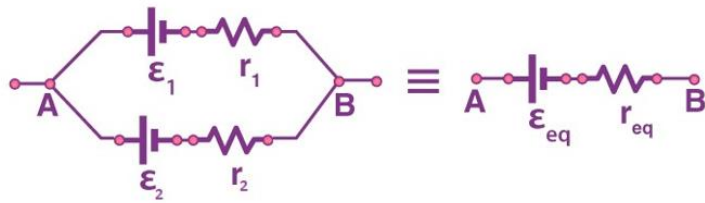
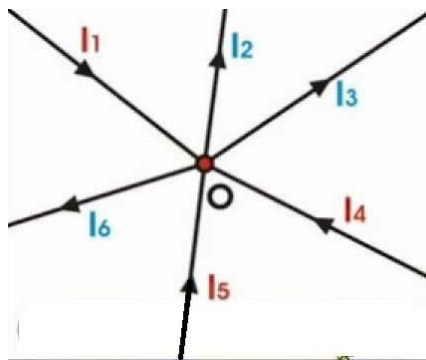


## Parallel Cell Combination



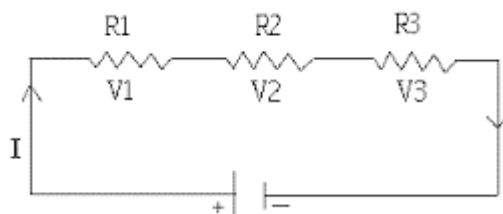
$$\epsilon_{eq} = (\epsilon_2 r_1 + \epsilon_1 r_2) / (r_1 + r_2)$$

## Kirchhoff's current Law



**Kirchhoff's current law** :-  $I_1 - I_2 - I_3 + I_4 + I_5 - I_6 = 0$   
 Or  $I_1 + I_4 + I_5 = I_2 + I_3 + I_6$ .

## Kirchhoff's Voltage Law



**Kirchhoff's voltage law**:-  $V_1 + V_2 + V_3$