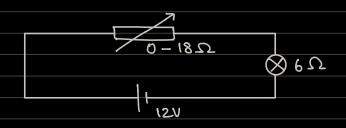
VARIABLE RESISTOR US POTENTIAL DIVIDER

Rheostat

Potentiometer

VARIABLE RESISTANCE CIRCUIT:



i) Calculate minimum current in the bulb

Set variable resistance to highest value (18.2)

ii) Calculate maximum current in the bulb

Set variable resistance to minimum (0 12)

:, the range of current that the bulb can have is 0.5A < I < 2A