

35 A cell of internal resistance 2.0Ω and electromotive force (e.m.f.) 1.5 V is connected to a resistor of resistance 3.0Ω .

What is the potential difference across the 3.0Ω resistor?

A 1.5 V

B 1.2 V

C 0.9 V

D 0.6 V

36 A 100Ω resistor conducts a current with changing direction and magnitude, as shown.