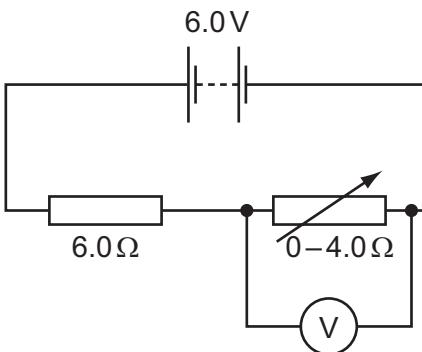


- 37 A battery of electromotive force (e.m.f.) 6.0 V and negligible internal resistance is connected in series with a resistor of resistance 6.0Ω and a variable resistor of resistance from zero to 4.0Ω . A voltmeter is connected across the variable resistor. The resistance of the variable resistor is changed.



What is the range of the voltmeter reading?

- A 0 V – 2.4 V
- B 0 V – 3.6 V
- C 2.4 V – 6.0 V
- D 3.6 V – 6.0 V