

Name _____

Date _____



Fields and Forces I

1. In the diagram, the voltmeter V has a resistance of $100\text{ k}\Omega$ and is connected such as to measure the potential difference across the $100\text{ k}\Omega$ resistor. The battery has an emf of 5.0 V and negligible internal resistance.
2. In the diagram, the voltmeter V has a resistance of $100\text{ k}\Omega$ and is connected such as to measure the potential difference across the $100\text{ k}\Omega$ resistor. The battery has an emf of 5.0 V and negligible internal resistance.
3. In the diagram, the voltmeter V has a resistance of $100\text{ k}\Omega$ and is connected such as to measure the potential difference across the $100\text{ k}\Omega$ resistor. The battery has an emf of 5.0 V and negligible internal resistance.