



KIRCHHOFF'S RULES

Guide Questions

40% of the Written Report (Group Report) grade

1. In an electrical circuit, what is a junction? loop? branch?
2. What conservation laws govern Kirchhoff's current law and Kirchhoff's voltage law?
3. The terminal voltage of a battery is not in general equal to its emf when the battery is connected to a circuit. Why is this so?
4. Draw the circuit used in the experiment showing the correct conventional current direction on each junction of the circuit based from the final calculations.
5. Which battery in the circuit supplies power to the circuit? Which battery is being charged or absorbing power?