Electricity and Circuits

Electricity is the movement of electric charge, primarily electrons, through a conductor. A basic electric circuit consists of a power source, connecting wires, a load (like a bulb), and sometimes a switch. Circuits can be series, where components share the same path, or parallel, where they operate independently. Ohm’s Law (V = IR) describes the relationship between voltage, current, and resistance. Understanding electric circuits is fundamental to electronics, household wiring, and modern engineering ...

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