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## Chapter 22 study guide current electricity

Given article text here The resources section of the textbook provides access to additional materials, including links, activities, and more. Students can register for the online student edition, which will grant them a user name and password to view the book. The site also features a variety of chapters and sections, with pull-down menus offering resources such as Student Web Activities, Self-Check Quizzes, Problems of the Week, and more. To explore all the contents of the website, students can visit the Site Map. The Professional Development section offers practical strategies and materials to encourage excellence and innovation in teaching, including free tips and tools, in-depth articles, and an online teacher community. However, access to these resources requires registration and a user name and password. In order to successfully navigate the website, students must first read the Terms of Use and Privacy Policy. They can also report any technical problems they encounter with the site by contacting the Web Producer. Key learning objectives include defining electric current, differentiating between conventional current and electron flow, and explaining conditions that create current in an electric circuit. Students should be able to compare conventional current to electron flow and solve problems with electric power. They should also recall the metric unit for current, identify parts of a circuit, design closed circuits, explain Ohm's Law, solve problems with Ohm's Law, and describe factors that affect resistance.