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envisage making use of semiconductor devices will wish to supplement this chapter with a reading of a more detailed treatment of circuit design. The final chapter is entitled "Miscellaneous semiconductor devices" and includes a brief description of the properties of tunnel diodes, controlled rectifiers and field-effect transistors.

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Semiconductor. Because the electrical properties of a semiconductor material can be modified by doping, or by the application of electrical fields or light, devices made from semiconductors can be used for amplification, switching, and energy conversion .

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