

DID YOU KNOW?
*80% of a submarine is
electronics?*

ELECTRONICS

- **Electronics** are the basics of many modern technologies, from hi-fi systems to missile control systems.
- **Electronics** are systems that control things by automatically switching tiny electrical circuits on and off.
- **Transistors** are electronic switches. They are made of materials called semiconductors that change their ability to conduct electricity.
- **Electronic systems work** by linking many transistors together so that each controls the way the others work.
- **Diodes** are transistors with two connectors. They control an electric current by switching it on or off.
- **A silicon chip** is thousands of transistors linked by thin metal strips in an integrated circuit, on a single crystal of the semiconductor silicon.
- **The electronic areas** of a chip are those treated with traces of chemicals such as boron and phosphorus, which alter the conductivity of silicon.
- **Microprocessors** are complete Central Processing Units on a single silicon chip.

