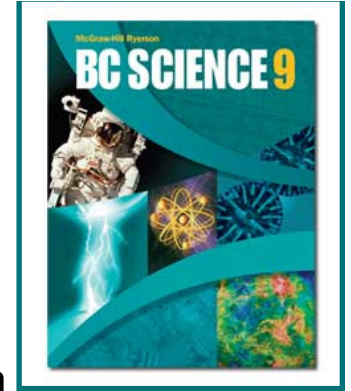


These notes are posted on my site for the following reasons:

- **for students to copy in their own hand-writing**
 - **in order to complete their class notes**
 - **if student did not have enough time in class**
 - **if student was away and missed this section**
- **for assistants and tutors to follow progress of the concepts taught**

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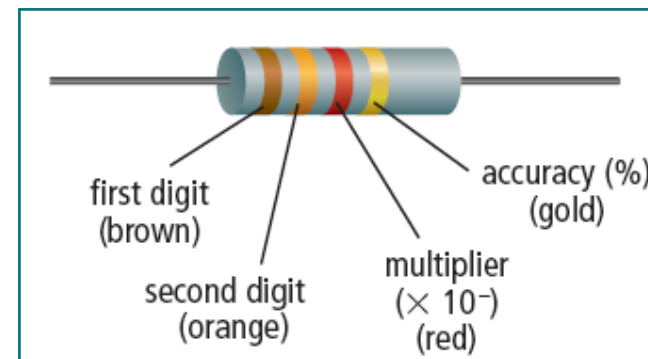


8.3 Resistance and Ohm's Law

- Resistance is the property of any material that slows down the flow of electrons, and converts electrical energy into other forms.

Ohm's Law

- The greater the amount of resistance, the lower the current
- Resistance = Voltage \div Current
- Unit of resistance is the ohm (Ω)
- Resistance can be measured in a circuit with an ohmmeter
- Switch: turns circuit on or off
- Circuit resistors are marked with coloured bands that allow you to determine the ohm value of the resistor.



[Take the Section 8.3 Quiz](#)

See pages 290 - 297