

## Graphing

One important way to show relationships in science is through the use of table and graphs.



1. Read page 587 and complete instant practice # 1. Remember to use a ruler.
2. Read page 588 and 589 to answer the following questions:
  - a) When should you use a bar graph?
  - b) Summarize the 5 rules for drawing bar graphs (do not include the example given in each rule).
  - c) Make a bar graph from the data table you made in part (a) for the greatest temperature range in Canada.
  - d) What is unique about the way you draw a histogram?
  - e) When do you use a histogram?
  - f) Complete the instant practice question on page 589.
3. Read page 590. What is the advantage of using a pie chart?
4. Read page 591. Answer the following questions:
  - a) What is the purpose of a line graph?
  - b) What can use a line graph for?
  - c) Summarize the 6 rules for drawing line graphs (do not include the example given in each rule).
5. Read page 592 to answer the following questions:
  - a) Why does this type of data result in a smooth curve?
  - b) When is this type of graph useful?
  - c) Complete the instant practice question on page 592.
6. Read page 593 to answer the following questions:
  - a) What is unique about the way this type of data is plotted?
  - b) Why is the line in this graph referred to as a line of best fit?
  - c) Construct the graph outline in the instant practice question on page 594. How far had the car traveled after 3.5 hours?

