Name D	Date	
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# **Analyzing Data**

### **Section 4 Representing Data**

#### ⁻Main Idea ⊃

**Details** 

**Scan** Section 4 of your text. Use the checklist below as a guide.

- Read all section titles.
- Read all tables and graphs.
- Look at all pictures and read the captions.
- Think about what you already know about data analysis.

**Write** facts you learned about representing data as you scanned the section.

_			
1			

2. \_\_\_\_\_\_

3. \_\_\_\_\_

New——— Vocabulary

Use your text to define each term.

graph

Name			Date
Section 4 Representing	າg Data (continued	)	
<b>Main Idea</b> →	(Details )		
<b>Graphing</b> Use with pages 55–56.	<b>Draw</b> and label (a) a circle graph and (b) a bar graph using the information in the table below.		
	Student Bu	ıdget	
	Budget items	Percent	
	Car insurance	45	

Student Budget		
Budget items	Percent	
Car insurance	45	
Movies	6	
Books	5	
Clothing	30	
Miscellaneous	4	
Gas	10	

Student Budget bar graph	Student Budget circle graph
	best displays the data in the Student Budget table

Name	Date
Name	Date

### Section 4 Representing Data (continued)

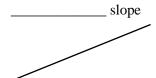
#### ⁻Main Idea⊃

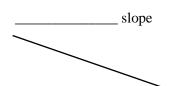
### **⊘Details**

#### **Line Graphs**

*Use with pages 56–57.* 

**Identify** *each of the following slopes*.





**Analyze** whether the following sequences will likely plot as linear or nonlinear relationships.

Sequence A:	Sequence B:
Result 1: 2	Result A: 31
Result 2: 4	Result B: 27
Result 3: 7	Result C: 49
Result 4: 10	Result D: 45
Answer:	Answer:

# Interpreting Graphs

*Use with pages 57–58.* 

**Organize** *information about interpreting graphs by completing the sentences below.* 

Information on a graph	h typically consists of	types of
variables:	variables and	variables. The
relationship between the	he variables may reflect either a	or a
slope.		
When reading the grap	ph, you use either interpolation for	
	or	for estimated
values beyond the plot	tted points.	

Name	Da	te.

## Analyzing Data Chapter Wrap-Up

	Now that you have read the chapter, review what you have learned. Write out the key equations and relationships.  density =
	percent error = × 100
	slope =
	Conversion between temperature scales:
	°C + = K =
Review	Use this checklist to help you study.
	☐ Study your Science Notebook for this chapter.
	☐ Study the definitions of vocabulary words.
	☐ Review daily homework assignments.
	☐ Reread the chapter and review the tables, graphs, and illustrations.
	☐ Answer the Section Review questions at the end of each section.
	☐ Look over the Study Guide at the end of the chapter.
SUMMARIZE	
	recautionary guidelines would you use to ensure the accuracy of your data and to of that data?