Name	Class	Date

Assessment)

Section Quiz

	n: Tools and Models in Scion letter of the correct answer in the sp		
1	 a. It is based on the number 10. b. It is more complex than the met c. It is less complex than the metri d. It is based on the number 5. 	ric system.	al System of Units?
2	Which of the following tools would measurements while collecting dataa. calculatorb. thermometer		ıle
3	Which of the following is NOT a typin science and uses familiar thingsa. physicalb. mathematical	•	nfamiliar things?
4	A system of ideas that explains obslarge amount of scientific evidencea. model.b. theory.		
Match the provided.	e correct definition with the correct te	erm. Write the	letter in the space
5	a measure of how hot or how cold something is		a. densityb. temperature
6	a descriptive statement or equation predicts events under certain conditions.	_	c. volumed. mass
7	the ratio of the mass of a substance volume of the substance	e to the	e. model f. law
8	a measure of the size of an object of three-dimensional space	or region in	
9	a representation of an object or sys- used to support or disprove scienti and laws		

_ 10. a measure of the amount of matter in an

object

Name	Class	Date
A		

Section Quiz

Section: Organizing Your Data

Match the correct description with the correct term. Write the letter in the space provided.

- _____ **1.** the factor in an experiment that is measured; changes as a result of manipulation of one or more other factors
- a. axisb. scale
- _____ **2.** the size that is used for each box or grid mark on a graph
- **c.** dependent variable
- _____ **3.** one of two or more reference lines that mark the borders of a graph
- d. rangee. independent variable
- _____ **4.** the factor in an experiment that is deliberately manipulated
- **f.** trend
- ____ **5.** the difference between the smallest and largest values of the same variable
- _____ **6.** the pattern of data in a graph
- Write the letter of the correct answer in the space provided.
 - **7.** If a graph shows the relationship between the dependent variable and independent variable with a straight line, the graph is
 - **a.** linear.

c. direct.

b. nonlinear.

- **d.** inverse.
- **8.** Which of the following can be found in a data table?
 - a. scale
 - **b.** axis
 - **c.** independent variable
 - **d.** data point

9. If a graph shows the relationship between the independent variable and the dependent variable as a curved line, the graph is

a. linear.

c. direct.

b. nonlinear.

- **d.** inverse.
- **10.** Which of the following is NOT a feature of a graph?
 - **a.** range
 - **b.** trend
 - c. axis
 - **d.** column

Name	Class	Date
A		

Section Quiz

Section: Analyzing Your Data

Match the correct description with the correct term. Write the letter in the space provided.

- _____ **1.** the value of the middle item when data are arranged in order by size
- a. modeb. slope
- ____ **2.** the most frequently occurring value in a data set
- **c.** median
- **d.** mean
- _____ **3.** the degree of slant of a line; the ratio of rise over run
- **4.** the number obtained by adding up the data for a given characteristic and dividing this sum by the number of individuals

Write the letter of the correct answer in the space provided.

- **_____ 5.** Which of the following tasks is mathematics NOT used for?
 - a. to learn a foreign language
 - **b.** to summarize large amounts of information
 - c. to determine properties such as volume, area, and density
 - $oldsymbol{d}$. to answer questions
 - **6.** To get an accurate data reading, scientists must be sure to
 - **a.** always use a measuring cup.
 - **b.** use broken equipment.
 - **c.** use the wrong tool.
 - **d.** use the right tool.
 - **7.** Which of the following circumstances would result in the rejection of scientific data?
 - **a.** Scientists were able to repeat the results.
 - $\boldsymbol{b.}$ Scientists used the "language of science" to present their data.
 - **c.** Scientists could not repeat the results.
 - $\boldsymbol{d.}$ The data were analyzed using a mathematical model.
- **8.** In the equation y = kx, the slope of the line is represented by the constant
 - **a.** *x*.
 - **b.** *k*.
 - **c.** *y*.
 - **d.** k + x.