



Part A. Vocabulary Review

Directions: Complete the following sentences using the terms listed below.

model	mass	graph	hypothesis
standard	dependent variable	independent variable	
technology	theory	control	volume
constant	experiment	scientific law	society

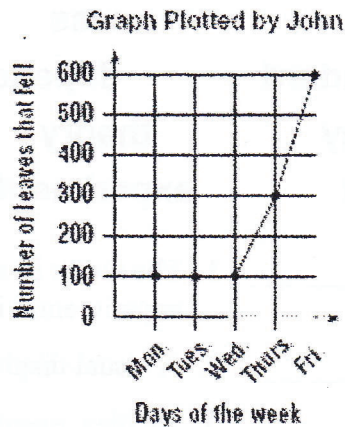
- _____ 1. The factor in an experiment that is changed by the experimenter is the _____.
- _____ 2. A visual display of information or data is a(n) _____.
- _____ 3. An idea, event, or object is represented by a(n) _____.
- _____ 4. A test of a hypothesis is a(n) _____.
- _____ 5. A standard for comparison that is used in an experiment is a(n) _____.
- _____ 6. A rule of nature that tells you what will happen under certain conditions is a(n) _____.
- _____ 7. The independent variable in an experiment may cause a change in the _____.
- _____ 8. The amount of space occupied by an object is called its _____.
- _____ 9. A testable prediction is a(n) _____.
- _____ 10. Another term for applied science is _____.
- _____ 11. A variable that doesn't change in an experiment is called a _____.
- _____ 12. An explanation based on many observations supported by experimental results is a(n) _____.
- _____ 13. An exact quantity that people agree to use for comparison is a(n) _____.
- _____ 14. A measurement of the quantity of matter is _____.
- _____ 15. A group of people that share similar values and beliefs form a _____.

Chapter Review (continued)

Part B. Concept Review

Directions: John counted the number of leaves that fell from a tree for a five-day period. John used a graph to show his data. Use John's graph to answer questions 1–6.

1. What type of graph did John use to display his data? _____
2. What is the dependent variable in John's graph? _____
3. What is the independent variable in John's graph? _____
4. On which day of the week did the greatest number of leaves fall? _____
5. On what days of the week did the number of leaves that fell remain constant? _____
6. On what other type of graph could this data be shown? _____



Directions: Convert the following.

7. 200 m = _____ km
8. 1.2 L = _____ mL
9. 0 K = _____ °C
10. 12 cm³ = _____ mL
11. 10°C = _____ K
12. 1 L = _____ cm³
13. 124 mm = _____ cm
14. 12,000 mg = _____ g

Directions: Answer the following questions on the lines provided.

15. How have moral and ethical issues influenced science?

16. How does the value of technology differ between developing countries and industrialized countries?

17. How do social forces shape technology?

