

Chapter 1 Review

1. Which is an observation a student could make about a leaf found on the ground?
 - A. how old it is
 - B. how long it has been on the ground
 - C. how long it is
 - D. how tall the tree it came from is

2. A prediction is _____.
 - F. a guess
 - G. an observation
 - H. an idea about what already happened
 - I. an idea about what will happen

3. A student did an experiment in which she measured the volume of water. She repeated the experiment exactly but got different data and results each time. Which is **most likely** the reason for the different results?
 - A. The student read the graduated cylinder incorrectly.
 - B. The student had a different partner each time.
 - C. The student recorded the results each time right away.
 - D. The student used different tools each time.

4. Which list gives objects in order from shortest to tallest?
- F. light pole, stop sign, fire hydrant
 - G. fire hydrant, stop sign, light pole
 - H. stop sign, light pole, fire hydrant
 - I. light pole, fire hydrant, stop sign
5. Which tool is used to measure the volume of water?
- A. thermometer
 - B. meter stick
 - C. graduated cylinder
 - D. tuning fork
6. Which question could a scientist answer by conducting an investigation?
- F. How much water makes a tomato plant grow best?
 - G. What are the parts to a tomato plant?
 - H. What color are tomatoes?
 - I. How much should I sell tomatoes for at the farmers' market?

7. Which is safe to taste during an investigation?
- A. any clear liquid
 - B. any material from a clean beaker
 - C. anything that smells good
 - D. only what your teacher tells you to taste
8. An ice cube took 12 minutes to melt in a pan on the counter. How long will it **most likely** take another ice cube to melt in a pan that is placed on a hot stove?
- F. 3 hours
 - G. 12 minutes
 - H. less than 12 minutes
 - I. 60 minutes
9. Look at the table.

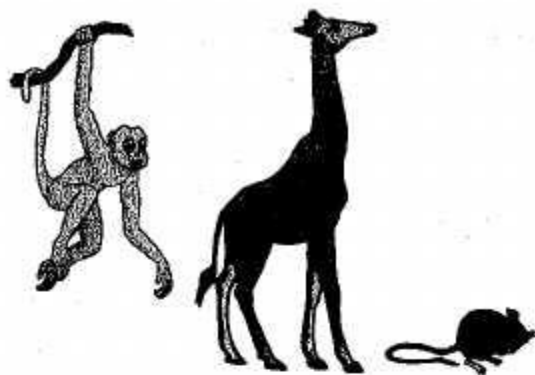
Trees in the School Yard

Type of Tree	Number
Oak	3
Pine	7
Maple	2
Palmetto	6

Based on the information in the table, which statement is true?

- A. There are more oak trees than pine trees.
- B. There are no maple trees.
- C. There are fewer pine trees than maple trees.
- D. There are more palmetto trees than maple trees.

10. Look at the picture.



How are these animals alike?

F. They all have spots.

H. They all live in trees.

G. They all have tails.

I. They all have hands.

11. Which tool can you hit with a rubber mallet to study sound?

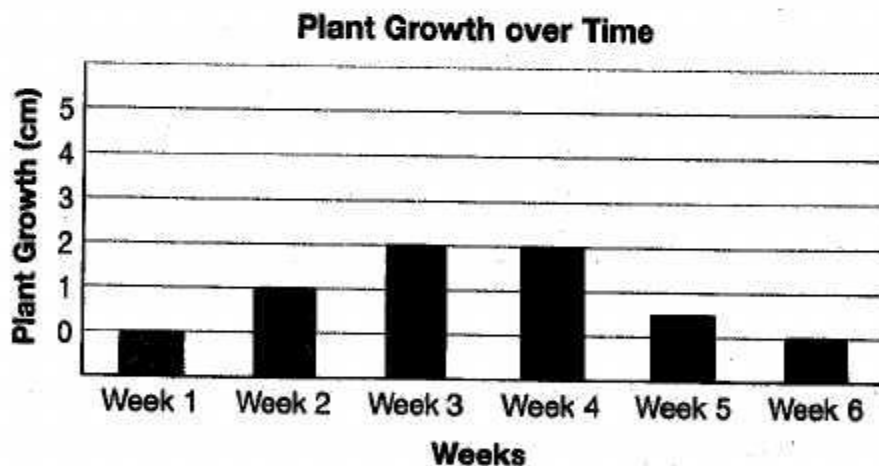
A. tuning fork

C. graduated syringe

B. beaker

D. meter tape

12. Look at the graph.



Based on the graph, how much will the plant **most likely** grow in Week 7?

F. 3 centimeters

H. 1 centimeter

G. 2 centimeters

I. 0 centimeters

- 13.** Which of these is a way to stay safe during a science investigation?
- A.** Wear long sleeves.
 - B.** Clean up spills by yourself right away.
 - C.** Read the instructions after you record your data.
 - D.** Tell your teacher right away if you spill something.
- 14.** Which is a reason why different scientists might get different results from the same investigation?
- F.** reporting results truthfully
 - G.** letting feelings affect what you observe
 - H.** gathering and recording data carefully
 - I.** using tools correctly
- 15.** A student notices that some oranges on the kitchen counter are starting to rot. Which is a question the student could ask to conduct a scientific investigation?
- A.** How many oranges are there?
 - B.** Do oranges last longer in a refrigerator or on a counter?
 - C.** Did we get the oranges from a grocery store or farmers' market?
 - D.** How old are the oranges?

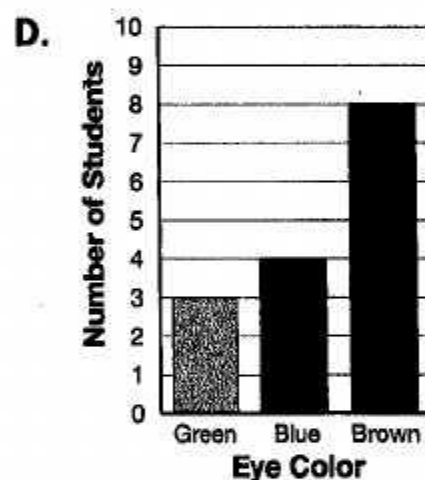
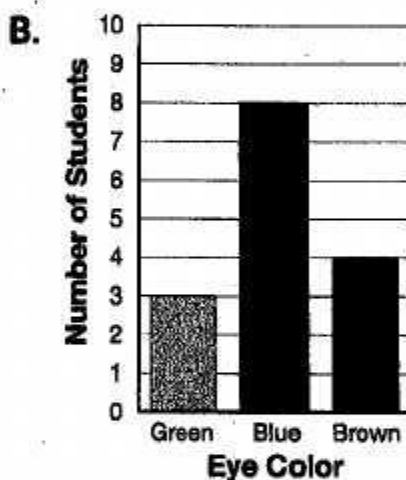
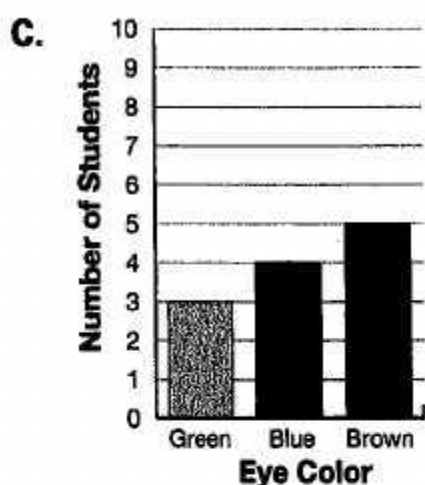
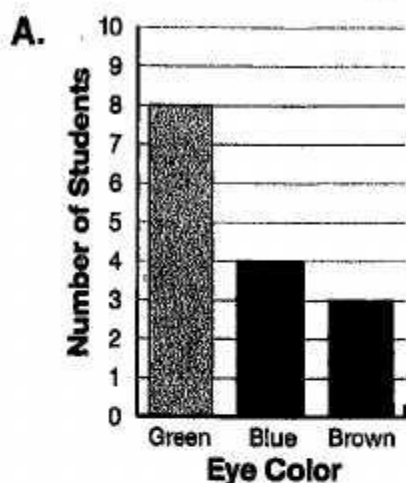
16. A student is playing a basketball game. Which event comes **before** the start of the game?
- F. putting on basketball shoes
 - G. riding home from the game
 - H. halftime of the game
 - I. scoring the first point
17. Who should clean up broken glass during a science investigation?
- A. your teacher
 - B. your lab partner
 - C. all the students
 - D. you
18. Look at the picture.



A student used the tool shown to measure an object. Which units would the student use?

- F. milliliters
- G. liters
- H. centimeters
- I. degrees Fahrenheit

19. A student gathered data about the color of each student's eyes in her class. She found that more students have blue eyes than have brown or green eyes. Which graph shows these data?



20. A bean plant is given 10 milliliters of water each day for a week. The plant grows 2 centimeters in that week. A student predicts that the plant will grow more the next week if she gives it 20 milliliters of water each day. Which result matches this prediction?
- F. The bean plant does not grow at all the next week.
 - G. The bean plant grows 1 centimeter the next week.
 - H. The bean plant dies.
 - I. The bean plant grows 3 centimeters the next week.