

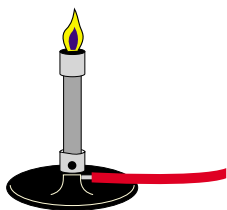
Practice

Use the list below to label the **apparatus**. Write the term on the line provided.

balance
beaker
Bunsen burner

compass
eyedropper
funnel

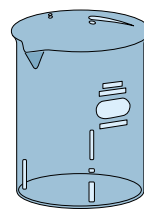
graduated cylinder
thermometer
test tube



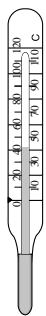
1. _____



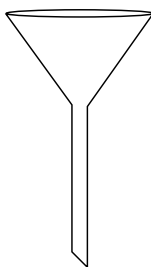
2. _____



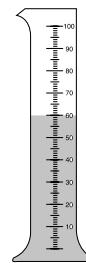
3. _____



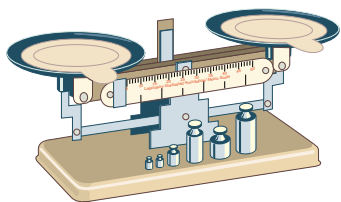
4. _____



5. _____



6. _____



7. _____



8. _____



9. _____



Practice

Circle the letter of the correct answer.

1. A _____ is an instrument used to measure temperature.
 - a. balance
 - b. thermometer
 - c. compass
 - d. funnel
2. A(n) _____ is used to dispense small amounts of liquid.
 - a. eyedropper
 - b. graduated cylinder
 - c. beaker
 - d. test tube
3. A(n) _____ is a gas burner used to heat chemicals or apparatus.
 - a. beaker
 - b. compass
 - c. eyedropper
 - d. Bunsen burner
4. A _____ is used to pour liquids into containers.
 - a. beaker
 - b. graduated cylinder
 - c. funnel
 - d. test tube
5. A _____ is used to determine which direction you are facing.
 - a. thermometer
 - b. balance
 - c. compass
 - d. graduated cylinder



6. A _____ is a multiple-purpose glass container that can be heated.
 - a. graduated cylinder
 - b. beaker
 - c. funnel
 - d. test tube

7. A glass jar which is used in scientific experiments is called a(n) _____ .
 - a. beaker
 - b. test tube
 - c. graduated cylinder
 - d. eyedropper

8. A(n) _____ is used to measure the mass of an object.
 - a. thermometer
 - b. compass
 - c. apparatus
 - d. balance

9. A _____ is used to measure the volume of a liquid.
 - a. beaker
 - b. funnel
 - c. graduated cylinder
 - d. test tube

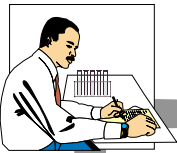
10. Scientific _____ is used in the science laboratory.
 - a. compass
 - b. apparatus
 - c. funnel
 - d. eyedropper



Practice

Write **True** if the statement is correct. Write **False** if the statement is not correct.

- _____ 1. If there is something you do not understand about the lab assignment, you should ask your teacher.
- _____ 2. It is only necessary for the teacher to know where the safety equipment is and how to use it.
- _____ 3. It is a good idea to bring a lunch along and to eat while working on lab activities.
- _____ 4. Use tongs or gloves to handle hot equipment.
- _____ 5. It is important to use good housekeeping habits in the laboratory.
- _____ 6. Report all accidents to the teacher—no matter how minor.
- _____ 7. Do not wear loose or baggy clothes in the lab.
- _____ 8. Safety glasses must be worn when working with dangerous or hot chemicals.
- _____ 9. It is important to put your nose directly over a container and breathe deeply to smell a substance in the laboratory.
- _____ 10. Open test tubes should never be pointed at yourself or at others.



Practice

Find all the **hazards** in the science lab pictured below. List them on the lines below. Be prepared to discuss them in class.





Practice

List the locations and uses of the **safety equipment** below.

Equipment	Location	Use
safety shower		
eye wash		
fire extinguisher		
fire blanket		
sand		
goggles		
lap aprons		
container—broken glass		



Practice

Use the list below to write the correct term for each definition on the line provided.

Bunsen burner
conclusion
control group
experiment

eyedropper
graduated cylinder
hypothesis

observation
thermometer
variable factor

- _____ 1. the factor being tested in an experiment
- _____ 2. an instrument used to measure temperature
- _____ 3. the part of the experiment without a variable factor
- _____ 4. an idea or statement that attempts to explain the relationship of observed factors; an educated guess
- _____ 5. used to dispense small amounts of liquid
- _____ 6. a way to test a hypothesis or try out an answer to a question
- _____ 7. to notice something using one's senses (sight, smell, touch, hearing, or taste)
- _____ 8. used to measure the volume of a liquid
- _____ 9. an explanation of a problem based on observations and collected data
- _____ 10. a gas burner used to heat chemicals or apparatus



Practice

Use the list below to write the correct term for each definition on the line provided.

apparatus	data	scientific method
balance	experimental group	test tube
beaker	fact	theory
controlled experiment		

- _____ 1. an idea that has been proven by experiments
- _____ 2. scientific facts that are collected, usually in the form of numbers
- _____ 3. a hypothesis that has withstood the test of time
- _____ 4. a multiple-purpose glass container that can be heated
- _____ 5. the steps scientists use to solve problems
- _____ 6. an experiment in which all the factors are the same except for the one being tested
- _____ 7. part of the experiment that contains the variable factor
- _____ 8. the equipment or tools needed for a specific task, as in biology or chemistry
- _____ 9. a glass container which is used in scientific experiments
- _____ 10. an instrument used to measure the mass of an object



Practice

Circle the letter next to the **scientific method** term that correctly completes each statement below.

1. The factor being tested in an experiment is the _____ .
 - a. variable
 - b. hypothesis
 - c. observation
 - d. control
2. The part of the experiment without a variable factor is the _____ .
 - a. observation
 - b. control group
 - c. experiment
 - d. hypothesis
3. An idea or statement that attempts to explain the relationship of observed factors to each other is a(n) _____ .
 - a. hypothesis
 - b. observation
 - c. fact
 - d. conclusion
4. A way to test a hypothesis or try out an answer to a question is a(n) _____ .
 - a. fact
 - b. experiment
 - c. observation
 - d. data
5. To notice something using one's sight, smell, touch, hearing, or taste is a(n) _____ .
 - a. observation
 - b. act
 - c. theory
 - d. data



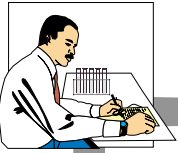
6. An explanation of a problem based on observations and collected data is a _____ .
 - a. fact
 - b. theory
 - c. data
 - d. conclusion

7. An idea that has been proven by experiments is a _____ .
 - a. fact
 - b. theory
 - c. controlled experiment
 - d. data

8. Scientific facts that are collected, usually in the form of numbers, are called _____ .
 - a. data
 - b. scientific method
 - c. controlled experiment
 - d. theory

9. A hypothesis that has withstood the test of time is a(n) _____ .
 - a. theory
 - b. controlled experiment
 - c. scientific method
 - d. observation

10. The steps scientists use to solve problems are known as the _____ .
 - a. theory
 - b. controlled experiment
 - c. scientific method
 - d. data



11. An experiment in which all the factors are the same except for the one being tested is a(n) _____ .
 - a. experimental group
 - b. controlled experiment
 - c. theory
 - d. scientific method

12. The part of the experiment that contains the variable factor is the _____ .
 - a. controlled experiment
 - b. scientific method
 - c. theory
 - d. experimental group