Middle School Safety Quiz

Multiple Choice
Select the best answer for the following questions.

1. When you begin a lab it is important to _____.
   A. sit at the table and explore the various types of equipment.
   B. begin working with your partners figuring things out as you go.
   C. read the lab directions entirely and develop a plan.
   D. develop a plan and work through all difficult portions without assistance.

2. Maria and Tom were performing an experiment. Maria told Tom to hold the beaker while she poured the hydrochloric acid into the water to dilute the acid. What important safety procedure is not being followed that could result in a severe accident?
   A. Tom should not hold the beaker. It should be placed on the table.
   B. Tom did not have the proper safety equipment to perform the task, thus he should have informed the teacher.
   C. The procedures were done correctly and they may proceed to the next step.
   D. Maria did not follow the procedures for mixing acids into other solutions.

3. Xavier and Yen are working on a lab that uses a substance that looks like marshmallows. Yen tells Xavier that she is going to eat one. What is the best statement to persuade Yen to not eat the substance.
   A. “Though you think the substance is a marshmallow, you don’t know for sure. The substance could be harmful or toxic.”
   B. “Yen, you are going to get into trouble if you eat the substance.”
   C. “I will tell the teacher if you eat that marshmallow.”
   D. “I will not say anything if you eat the marshmallow.”

4. If you are unclear about a specific step in the lab, you should _____.
   A. stop immediately, and seek the teacher’s help.
   B. do your best and try to make it work.
   C. ask the group closest to you for assistance.
   D. skip the step and go to the next step.
When dissecting a frog, you should ____.

A  hold the frog down with slight pressure and gently cut toward you.
B  cut away from you being cautious of others around you.
C  have your lab partner assist in cutting while you hold the frog steady.
D  be sure to point the scalpel downward and cut toward you to protect the others around you.

While working in the lab, someone dropped a flask and it shattered. What should be done to correct this accident?

A  Pick up the pieces of glass and throw them into the trash.
B  Get the broom and dust pan and sweep up the glass quickly so no one gets injured.
C  Get your lab partner to help you clean up.
D  Inform the teacher, secure the area so no one gets injured, and have the teacher place the broken glass into the sharps container.

The students in group C are debating on where to place the wastes at the conclusion of the lab. Of the following statements, who is correct?

A  Tammy: “Mix all liquids and dispose of in the trash can.”
B  Ben: “Most liquids may go down the sink. All solids are to be placed in the trash can.”
C  Janet: “As long as the materials are separated, everything can be thrown into the trash can.”
D  Shae: “We must first return the chemicals to the original container and then dispose of the liquids accordingly.”

A student, while performing a lab with an open flame, had on a baggy shirt. The sleeve of the shirt caught on fire. What is the first thing you should do?

A  Calmly get the fire blanket and wrap the student tightly and quickly.
B  Get the fire extinguisher and aim the nozzle directly toward the flame.
C  Hurry the student toward the safety shower, and once under the nozzle, pull the lever.
D  Yell for help, and hope that someone will know what to do next.

The safety shower is to ______ as the eye wash station is to ____________.

A  washing off paint, diluting various containers of different solutions.
B  objects on the body, objects in the eye.
C  acids on the body, objects or chemical in the eye.
D  fire on clothing, chemicals in the eye.

Safety goggles are required in the lab when:

A  working with heat or chemicals.
B  anytime the teacher tells you.
C  working with sharp objects.
D  all of the above.
11 While performing an experiment, a liquid chemical was splashed into the eyes of your lab partner. What should you do?

A Escort your partner to the eye wash and have them flush their eyes for a minimum of 20 minutes.
B Take a paper towel and wipe their face and eyes.
C Blink continuously until their eyes begin to feel better and they can see clearly.
D Notify the teacher and take the student to the mirror and sink and let them look at their eyes.

12 Kenny began working on his bacteria lab and noticed that the light on the microscope did not work. What is the first thing he should do?

A Skip that section and continue working on another section he can do.
B Go over to his neighboring group and use their microscope.
C Notify the teacher and wait for instructions.
D Try to fix the light source.

13 When working with any form of heat or flame, you should always ____.

A leave the source on when you are finished working.
B leave the heat source unattended.
C be responsible for the source 100% of the time.
D experiment with different chemicals and substances to check their flammability.

14 While heating a test tube, you should always ____.

A have your lab partner close to the test tube to observe what changes are taking place.
B hold the test tube with tongs while looking down into the tube.
C hold the test tube with tongs pointing toward the ceiling.
D hold the test tube at a slant, pointing it away from you and others.

15 While Brian was cutting during a lab he accidently cut his finger. It was a minor cut and hardly any blood was visible. Brian should ____

A continue working because he is ok.
B tell his teacher immediately and do what is prescribed.
C go to the sink and wash his hand with soap and water.
D place a towel over the wound and keep working.

16 When working in the science lab it is required that you:

A secure long hair and baggy clothing.
B know the location and use of all of the safety equipment.
C notify the teacher if something is damaged or broken.
D all of the above
17 During a lab, the directions state to smell the unknown substance in the beaker. You should do so by:

A placing the beaker about 8 inches from your nose and wafting or waving your hand smelling the moving air.
B hold the beaker at an angle and have your lab partner smell the unknown substance.
C place the beaker under your nose and smell the unknown substance.
D being careful not to directly sniff the substance but place the beaker just close enough to smell.

18 While performing a lab you should:

A work quickly to finish the lab, taking short cuts if necessary.
B delegate different tasks and when you are unclear, skip the step.
C take charge and ensure that you finish the lab even if your partners do not.
D keep your area neat and clean, cleaning as you work.

19 At the conclusion of the lab, you should ensure that:

A all lab equipment is cleaned and returned to the assigned area.
B you wash your hands before you leave class.
C Both A and B are correct.
D Neither A and B are correct.

20 Which of the following is not recommended when working with any electrical device?

A Check the cord and make certain the area is dry.
B Working with equipment with a damaged cord.
C Follow the directions as explained in the lab.
D Use the device only as instructed.
Middle School Safety Quiz
Answer Section

MULTIPLE CHOICE

1  ANS: C  PTS:  1
2  ANS: A  PTS:  1
3  ANS: A  PTS:  1
4  ANS: A  PTS:  1
5  ANS: B  PTS:  1
6  ANS: D  PTS:  1
7  ANS: B  PTS:  1
8  ANS: A  PTS:  1
9  ANS: C  PTS:  1
10 ANS: D  PTS:  1
11 ANS: A  PTS:  1
12 ANS: C  PTS:  1
13 ANS: C  PTS:  1
14 ANS: D  PTS:  1
15 ANS: B  PTS:  1
16 ANS: D  PTS:  1
17 ANS: A  PTS:  1
18 ANS: D  PTS:  1
19 ANS: C  PTS:  1
20 ANS: B  PTS:  1