1.1 Review Questions

1. Where is the closest fire alarm to your chemistry laboratory?

2. Outline the route you should follow in case of a fire alarm while you are in chemistry class.

3. How many fire extinguishers are in your laboratory? What are their classifications?

4. Knowing you have lab on a particular school day, describe how you should dress.

5. Give the *name* and *use* of each of the following pieces of equipment:





6. List three things you should do before beginning any chemistry experiment.

7. Give three uses for the fume hood.

8. What is the most common injury in the chemistry lab? How might you avoid this injury? How would you treat this injury?

9. How would you assist your lab partner in each of the following cases?
   (a) Partner has spilled a chemical into his or her eyes.

   (b) Partner's clothing has caught fire.

   (c) Partner has spilled concentrated acid onto the floor.

   (d) Partner took more chemical than required for the lab.

   (e) Partner has broken a test tube on the floor.

10. What is the meaning of each of the following labels?





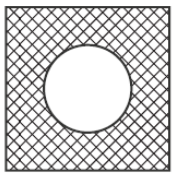
11. Outline a three-step procedure for cleaning glassware at the end of the period.

12. Why should long hair always be secured back during lab?

13. Why do you suppose food and drink are not allowed during lab?

14. What do you think is safer: the laboratory or your kitchen? Explain why.

15. Give the name and use of each of the following pieces of equipment:



16. Where should binders, book bags, and backpacks be stored during the lab?

17. What is an MSDS? Where might an MSDS be found in your school?

18. Where would you dispose of each of the following?
    (a) a few milliliters of excess dilute acid

    (b) a sample of heavy metal precipitate

    (c) an excess piece of glass tubing

    (d) used litmus paper

    (e) a few milliliters of excess acetone (nail polish remover)

19. What is the meaning of each of the following labels?

20. Give four things to keep in mind while heating a test tube half-filled with liquid.