Lab Safety Worksheet

1. Where are the following located in the laboratory?
   A. Fire extinguisher ______ front of the room
   B. Eye wash ______ front, middle and back of the room
   C. Fire Blanket ______ front and back of the room
   D. Main Gas valve ______ on the wall in the middle of the room
   E. Telephone ______ front of the room
   F. Container of Sand ______ middle countertop
   G. First Aid Items ______ teacher’s desk

Most lab safety rule are followed for four main reasons, which are:
   A. Prevent contamination of chemicals
   B. Prevent injury to self and/or others
   C. Prevent undesired reactions
   D. Prevent waste of chemicals

Identify the main reason why each of the following is considered an important safety procedure. (Use letters A, B, C, and D from above)

   B  2. Stand at the lab station, rather than sit on counters
   A, C, D 3. A stopper or cap from a container is held rather than being set on the lab table.
   B  4. Do not eat or drink while working in the lab.
   B, C  5. Read the label on a container twice before using it.
   A  7. Use only clean glassware
   A, D  8. Do not return unused chemicals back into their original containers.
   B  9. Tie long hair back.
   B 10. Wash hands before leaving the lab.
   B 11. Fan a vapor, from a container, towards you to observe the odor.
   C 12. Do not touch the tip of a beral pipette to anything while dispensing it’s liquid.
   B 13. Work in a business-like manner in the lab.
   B, C 14. Do not make any changes to the steps of a procedure unless instructed to by the teacher.

15. What are the three main reasons containers of chemicals are kept tightly closed while not dispensing them?
   1. Prevent contamination of the chemicals
   2. Prevent undesired reactions
   3. Prevent injury

For each of the following situations below, describe in detail what you would do.

16. There is a fire at you lab table.
    Put out the fire and tell the teacher. If you are not sure how the ask for help.

17. Your lab partner dropped and broke a beaker
    Help them clean up the broken glass and tell the teacher.
18. The skin on your arm begins to itch and burn at the same time.  
   Wash your arm with soap and water.

19. Your lab partner gets a chemical splashed in his eyes.  
   Help him or her to the eye wash station and help work the eye wash.

Name the item of lab equipment you would use: (Refer to the equipment sheet)

20. as a cover for a beaker________ watch glass
21. to measure the volume of a large amount of liquid________ Graduated cylinder
22. to measure the volume of a small amount of a liquid________ burette or dropper
23. to move a hot flask from a hot plate________ tongs
24. to transfer a small amount of a solid chemical to be weighted________ scoopula
25. to separate a solid from a liquid________ funnel and filter paper
26. to mix two liquids together_________ erlenmeyer flask
27. to prevent evaporation of contents from a flask________ rubber stopper
28. as a source to heat the liquid in a beaker________ hot plate
29. as a container for liquids_________ beaker

30. How should you dispose of used/unwanted chemicals at the end of an experiment?  
   In the waste jars provided or how the teacher tells you to.

31. Match the following:
   Corrosive B________ A. Dangerous, risky
   Volatile C________ B. Will dissolve metal rapidly
   Caustic D________ C. Evaporates rapidly
   Hazardous A________ D. Capable of burning or destroying living tissue