

Lab Safety Worksheet

1. Where are the following located in the laboratory?
- A. Fire extinguisher _____
 - B. Eye wash _____
 - C. Fire Blanket _____
 - D. Main Gas valve _____
 - E. Telephone _____
 - F. Container of Sand _____
 - G. First Aid Items _____

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)

- _____ 2. Stand at the lab station, rather than sit on counters
 - _____ 3. A stopper or cap from a container is held rather than being set on the lab table.
 - _____ 4. Do not eat or drink while working in the lab.
 - _____ 5. Read the label on a container twice before using it.
 - _____ 6. Wear safety goggles.
 - _____ 7. Use only clean glassware
 - _____ 8. Do not return unused chemicals back into their original containers.
 - _____ 9. Tie long hair back.
 - _____ 10. Wash hands before leaving the lab.
 - _____ 11. Fan a vapor, from a container, towards you to observe the odor.
 - _____ 12. Do not touch the tip of a beral pipette to anything while dispensing it's liquid.
 - _____ 13. Work in a business-like manner in the lab.
 - _____ 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?

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

- 16. There is a fire at you lab table.

- 17. Your lab partner dropped and broke a beaker

18. The skin on your arm begins to itch and burn at the same time.

19. Your lab partner gets a chemical splashed in his eyes.

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

20. as a cover for a beaker _____

21. to measure the volume of a large amount of liquid _____

22. to measure the volume of a small amount of a liquid _____

23. to move a hot flask from a hot plate _____

24. to transfer a small amount of a solid chemical to be weighted. _____

25. to separate a solid from a liquid _____

26. to mix two liquids together _____

27. to prevent evaporation of contents from a flask _____

28. as a source to heat the liquid in a beaker _____

29. as a container for liquids _____

30. How should you dispose of used/unwanted chemicals at the end of an experiment?

31. Match the following:

Corrosive _____

Volatile _____

Caustic _____

Hazardous _____

A. Dangerous, risky

B. Will dissolve metal rapidly

C. Evaporates rapidly

D. Capable of burning or destroying living tissue