

Name: _____

Date: _____

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 rules 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 sitting at your stool (or on your table).
- _____ 3. A stopper 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, even if you wear glasses.
- _____ 7. Use only clean glassware.
- _____ 8. Do not return unused chemicals back into their original ("stock") bottle.
- _____ 9. Tie long hair back / remove hats.
- _____ 10. Wash hands before leaving the lab.
- _____ 11. Fan or "waft" a vapor, from a container, towards you to note the odour.
- _____ 12. Work in a business-like manner in the lab.
- _____ 13. Do not touch the tip of a pipette or dropper to anything while dispensing its liquid.
- _____ 14. Do not make changes to the steps of the procedure without talking to the teacher.

15. What are the three main reasons containers of chemicals are kept tightly closed while not dispensing them? Use letters A, B, C and D from above, and write your answers in priority order.

For each of the following, describe in detail what you would do:

- 16. You spill a large amount of chemical onto the table top / floor.
- 17. Your lab partner dropped and broke a beaker.
- 18. Some chemical splashed into your face / eyes.
- 19. There is a fire at your lab table.
- 20. There is an earthquake or school wide alarm.

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First aid items

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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 sitting at your stool (or on your table).
- A C D** 3. A stopper 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.
- B** 6. Wear safety goggles, even if you wear glasses.
- A C D** 7. Use only clean glassware.
- A C D** 8. Do not return unused chemicals back into their original (“stock”) bottle.
- B** 9. Tie long hair back / remove hats.
- B** 10. Wash hands before leaving the lab.
- B** 11. Fan or “waft” a vapor, from a container, towards you to note the odour.
- B** 12. Work in a business-like manner in the lab.
- A C** 13. Do not touch the tip of a pipette or dropper to anything while dispensing its liquid.
- B C** 14. Do not make changes to the steps of the procedure without talking to the teacher.

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A

C

B

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