

## Worksheet: Lab Safety

(Frameworks Code)

True or False: In the space provided to the left of the question, mark "+" for a true statement and "o" for a false statement.

1. The laboratory is a place for serious work.
2. Chemicals that you may be using in the lab are not dangerous, even if used carelessly.
3. It is important for you to understand the meaning and purpose of all directions before you begin to perform each experiment or activity.
4. There is no danger in mixing chemicals indiscriminately.
5. After you have carefully read all the instructions for an experiment or activity, there is no need for you to follow any special instructions given by the teacher.
6. NEVER ask the teacher for further explanation even if you do not understand the instructions after careful reading.
7. If you do not understand the instructions, try the activity to see what happens.
8. It is a good idea to make up some of your own experiments and try them in the lab without the teacher's approval.
9. It is a good habit to read the label on a reagent bottle several times before using the chemical.
10. It is not necessary that the instructor be present when you are working in the lab.
11. It is important that you pay particular attention to the ending of the name of a chemical.
12. A safe way to smell a gas is to wave the gas toward your nose with your hand and sniff gently.
13. Accidents in the lab should be reported to your instructor immediately.
14. Since the teacher knows the location and use of the fire extinguisher and other safety devices, it is not necessary for the student to know them.
15. Never taste chemicals unless you are asked to do so by your instructor.
16. It is permissible to leave an unfinished experiment unattended until the next class period.
17. All gas and water valves should be closed tightly before leaving the lab.
18. One should never manipulate any apparatus set up for demonstration unless under the instructor's supervision.
19. Laboratory aprons are for girls only.

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- + 20. If a gas burner "strikes back", turn the gas off at the gas valve immediately.
- 0 21. Stand very close to apparatus in which material is being heated so that you can make proper observations.
- + 22. Always point a test tube that is being heated away from yourself and your neighbors.
- + 23. The ends of glass tubing or rods should be fire-polished as soon as they have been cut.
- + 24. In diluting acids, ALWAYS pour the acid slowly into the water while stirring the mixture.
- 0 25. It is permissible to pour water into concentrated acid.
- + 26. If any acid or base comes in contact with your skin or clothing, rinse it off at once with a large amount of water.
- 0 27. Do not bother to clean up the lab tabletop because the next class will only mess it up again.
- + 28. Check the sink at the end of the class period and remove any solids that may have dropped into the sink.
- 0 29. Take only as much chemical as you need. If you get too much, quickly return the chemical to the reagent bottle.
- + 30. Accidents do not happen.....they are caused.