Video: “ACS Starting with Safety”

Safety Quiz

NAME _____

DATE _____PERIOD_____

1. How should you insert glass tubing into a rubber stopper?

2. How should you protect your eyes from chemicals and glass shards?

3. How can you protect your hands when working with corrosive chemicals?

4. What type of shoes are appropriate for the lab?

5. Why should you NOT eat, drink, or put on makeup in the lab?

6. Where should you keep personal belongings that you bring to the lab?

7. How do you extinguish a small fire in a container?

8. List four pieces of safety equipment in your laboratory **and** give their location:

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True or False

9. _____ Hold bottles with your hand over the label while pouring.
10. _____ Immediately wipe up any spills
11. _____ Hot glass looks different from cool glass.
12. _____ When lighting a Bunsen burner, first turn on the gas, then strike your match.
13. _____ Check glassware for stars or cracks.
14. _____ Shake laboratory thermometers down before use.
15. _____ If you don’t have an inserter, lubricate glass tubing before inserting it through a stopper.
16. _____ Remove rings and watches before working in the laboratory.
17. _____ Throw away leftover chemicals in the trash can.
18. _____ Lay coin-top stoppers on the table top while pouring from the container.

Fill in the blank

19. Rinse chemicals from your eyes in an _____ _____.

20. Move test tubes back and forth at an _____ while heating over a flame.

21. Rinse large chemical spills from you body using a _____ _____.

22. When diluting an acid, always add _____ to _____.

23. Hold hot glassware with _____ or _____.

24. The most common laboratory injuries are _____ and _____.

25. Essay

(choose **ONE** of the following and respond to it below)

- Describe a laboratory accident and explain how you would handle the accident if you were the teacher.
- Describe how your life would be changed if you lost an eye as the result of a laboratory accident.
- Are your rights being violated by the safety rules? Discuss why or why not.
- Do you think the importance of studying chemistry justifies the safety risks? Discuss why or why not.

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