

NAME _____

Video Study Questions
"Starting With Safety"

1. Why shouldn't you pour chemicals from a two-gallon jug to a graduated cylinder, as shown in the video?

2. When doing a lab, what should you do *before* you actually *do* anything in the lab?

3. In a chemistry lab, what do the initials "AA" mean?

4. What is the safest way to smell chemicals in the lab (and even then, only when the teacher says to)?

5. Where should you work with volatile chemicals – especially organic solvents?

6. You have 8 – 10 mL of sodium hydroxide after measuring out what you need. What *shouldn't* you do with the leftover sodium hydroxide?

7. What *must* you do when you finish the lab?

8. What should be the *last* thing you do before leaving the lab area?

9. What does the valve at the bottom of a Bunsen burner do?

10. What should you do if the gas hose is old and cracked?

11. What is wrong with a yellow flame from a Bunsen burner?

12. Where is the hottest part of a Bunsen burner flame?

13. What should you do if you smell gas?

14. There are two ways to heat a test tube. Which way – the first way shown – is *best*?

15. Do lab thermometers need to be shaken down?

16. What liquids are used in the two main types of lab thermometers?

17. What type of gloves should you wear if you *have* to insert a glass tube in a rubber stopper without benefit of a tubing inserter tool?

18. What *must* you do to a centrifuge's load before operating the centrifuge?

19. Why should you not wear billowy, blouse-sleeved shirts in lab?

20. What two natural fibers make the safest fabrics for clothes worn in lab?

21. Describe the safest kind of shoes you can wear in lab.

22. What should you do with long hair when you're working in the lab?

23. Why should you remove your class ring, promise ring, or other jewelry before doing a lab?

24. Why should you remove your contact lenses before doing a lab?

25. What is the *most important rule* in chemistry lab?

26. Why should you not bring makeup, food, or drinks into the lab?
