Lab #1- Safety in Chemistry Lab

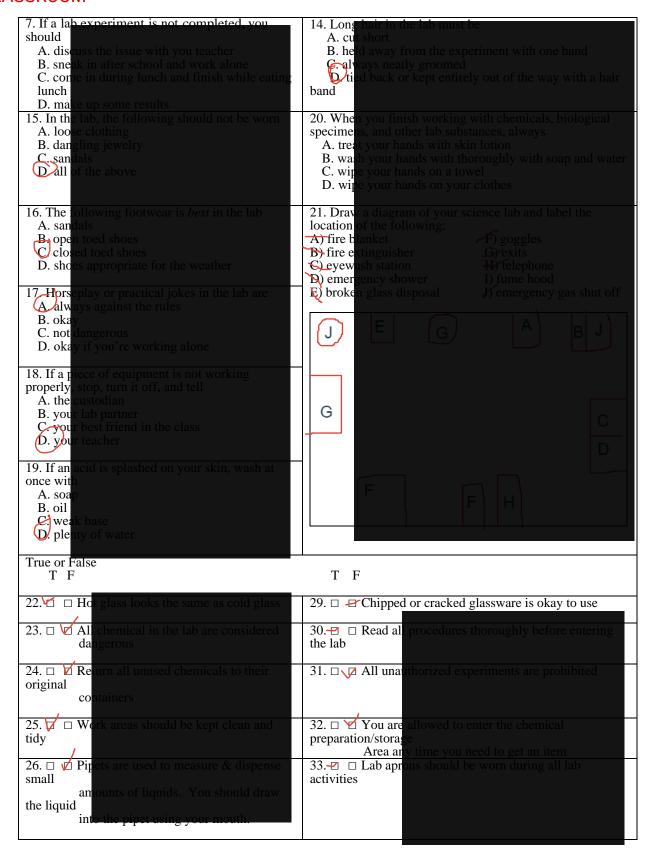
LAB OBJECTIVE: To become acquainted with proper procedures & rules in the Chemistry Lab Introduction: Chemistry is an experimental science. You cannot learn chemistry without getting your hands dirty. Any beginning chemistry student faces the prospect of laboratory work with some apprehension. It would be untruthful to say that there is no element of risk in a chemistry lab. CHEMICALS CAN BE DANGEROUS. The more you study chemistry, the larger the risk will become. However, if you approach your laboratory work calmly and studiously, you will minimize the risks.

MATERIALS: Flinn Safety Contract PROCEDURE: Use your Flinn Contract to answer the following questions

SCIENCE LABORATORY SAFETY TEST

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1. Flam nable materials, like alcohol, should never be dispensed or used near A. an open flame. A. an open flame. C. anotieverything exect for the D. a sink. 2. If a lab answers have been A. notify your instructor. B. run fremoved so that you C. throw water on the fire D. open cannot Upload	8. You are heating a substance in a test tube. Always point the open end of the tube A. toward yourself B. toward your lab partner C. toward another classmate D away from all people 9. You are heating a piece of glass and now want to pick it up. you should A. use a rag or paper towel B. pick up the end that looks cooler Use tongs
3. Gogg esthis to google classroom A. to avoid eye strain B. to implease only copy the C. only if you don't have glasses D. any timultiple choice glassware are used 4. Thyou answers lenses in the school lab A. take them out before starting lab B. you do not have to wear goggles C. advise your teacher before proceeding D. keep the information to yourself	D. pour cold water on it 10. You have been injured in the lab (cut or burn). First you should A. visit the school nurse after class B. see a doctor after school C. tell the science instructor at once D. apply first aid yourself 11. When gathering glassware & equipment for an experiment you should A. read all directions carefully to know what equipment is necessary B. examine all glassware to check for chips or cracks C. clean any glassware that appears dirty.
5. If you do not understand a direction or part of the lab procedure, you should A. figure it out as you do the lab B. try several methods until something works C. ask the teacher before proceeding D. skip it and go on to the next part 6. After completing an experiment, all chemical wastes should be A left at your lab station for the next class B disposed of according to your teacher's directions C. dumped in the sink D. taken home	Dall of the above 12. You want to place a piece of glass tubing into a rubber stopper after the tubing has been fire polished and cooled. This is best done by A. lubricating the tubing with water or glycerin B. using a towel or cotton gloves for protection C. twisting the tubing and stopper carefully D. all of the above 13. Personal eyeglasses provide as much protection as A. a face shield B. safety glasses C. splash proof chemical goggles D. none of the above

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