



Name: \_\_\_\_\_ Class: \_\_\_\_\_

## Laboratory Principles

1. Select the only safe thing below that can be done while in a lab.
  - a: eating while working with dangerous substances
  - b: playing games on your cell phone while conducting an experiment
  - c: Washing your hands often
  - c: Mixing chemicals in unknown amounts
2. Lisa and Sarah are conducting a lab experiment. It entails heating a substance in a crucible for a total of 10 minutes. After every 2 minutes, the substance has to be weighed. Which of the following actions is not safe ?
  - a: constantly observing the substance
  - b: measuring the weight of the substance at regular intervals
  - c: recording the weight after every measurement
  - c: leaving the substance to burn for over 20 minutes
3. Which is a safe thing to do during an experiment in which two mixtures release a gas ?
  - a: wearing goggles
  - b: wearing rubber boots
  - c: abandoning the experiment
  - c: leaving the lab immediately
4. Helen has to move three lab tools. Which one must she handle carefully ?
  - a: thermometer
  - b: beaker
  - c: microscope
  - c: all of the above
5. Which of the following practices are unsafe to do in a science lab ?
  - a: having a birthday party in the lab
  - b: not following instructions in a lab manual
  - c: washing and putting away equipment when done
  - c: wearing protective gloves when need be
6. When handling acid in a lab what should students watch out for ?
  - a: contact with any part of the body
  - b: spilling it on other surfaces
  - c: mixing it with random chemicals
  - c: all of the above

1. c: Washing your hands often
2. c: leaving the substance to burn for over 20 minutes
3. a: wearing goggles
4. c: all of the above
5. a: having a birthday party in the lab  
b: not following instructions in a lab manual
6. c: all of the above