

## Questionnaire

### Multiple choice

1. Which piece of laboratory equipment can be used to store chemicals for long periods of time?

- a) buret
- b) evaporating dish
- c) beaker
- d) more than one of the above

2. Accuracy is defined as:

- a) A measure of how often an experimental value can be repeated.
- b) The closeness of a measured value to the real value.
- c) The number of significant figures used in a measurement.
- d) None of these

3. A homogenous material is defined as being:

- a) An element
- b) Any material with uniform composition
- c) Synonymous with "solution"
- d) More than one of these

4. Hydrates are defined as:

- a) compounds with water molecules attached to them.
- b) compounds that have had their water molecules removed
- c) compounds that have been heated to high temperatures
- d) none of these answers is correct.

5. The Van der Waals equation is used when:

- a) We want to know how real gases behave.
- b) We want to assume that gases behave ideally.
- c) We work with a real gas, rather than an ideal gas.
- d) none of these

6. The opposite of sublimation is called:

- a) melting
- b) condensing
- c) freezing
- d) none of these

**7. A calorimeter is used to:**

- a) Determine the heat of a reaction
- b) Determine the heat given off/absorbed during some process
- c) Store the heat from a chemical reaction.
- d) none of these

**8. Which of the following type(s) of Personal Protective Equipment (PPE) is frequently used?**

- a. Safety glasses
- b. Lab Coats
- c. Face Shields
- d. Gloves
- e. All of the above

**9. After a biohazard spill is covered with paper towels and disinfectant solution, it must sit for \_\_\_\_\_ minutes?**

- a. 5
- b. 30
- c. 60
- d. 20

**TRUE FALSE**

- 1. Virulent strains of microorganisms are used in your laboratory?**
- 2. You should always wash your hands before and after lab.**
- 3. Food and drinks are allowed in the lab.**
- 4. Lab coats must be taken off when exiting the lab and entering a non-laboratory area.**
- 5. Good Laboratory Practice (GLP) is a method employed in a laboratory setting to prevent contamination, accidents and injuries.**
- 6. Following Good Laboratory Practices should only be used when your instructor reminds the class to do so.**
- 7. Cell phones can be used in lab if the instructor is not talking.**
- 8. Students must know the location of all safety equipment.**
- 9. It is good practice to carry the microscope with one hand.**