

Name: _____ Block: _____ Date: _____

Chemistry 12
LAB SAFETY WORKSHEET

1. Where are the following located in the laboratory?

- a) Fire extinguisher _____
- b) Eye wash _____
- c) Safety shower _____
- d) Fire Blanket _____
- e) Main gas valve _____
- f) Fire pull station _____
- g) First aid items _____

2. Most lab safety rules are followed for four main reasons which are:

- A. Prevent contamination of chemicals
- B. Prevent injury to self and/or others
- C. Prevent undesired reactions
- D. Prevent waste of chemicals

Identify the main reason why each of the following is considered an important safety procedure. (Use letters A, B, C and D from above – there may be > 1 answer.)

- a) _____ Stand at the lab station rather than sitting at your stool (or on your table).
- b) _____ A stopper from a container is held rather than being set on the lab table.
- c) _____ Do not eat or drink while working in the lab.
- d) _____ Read the label on a container twice before using it.
- e) _____ Wear safety goggles, even if you wear glasses.
- f) _____ Use only clean glassware.
- g) _____ Do not return unused chemicals back into their original (“stock”) bottle.
- h) _____ Tie long hair back / remove hats.
- i) _____ Wash hands before leaving the lab.
- j) _____ Fan or “waft” a vapor, from a container, towards you to note the odour.
- k) _____ Work in a business-like manner in the lab.
- l) _____ Do not touch the tip of a pipette / dropper to anything while dispensing its liquid.
- m) _____ Do not make changes to the steps of the procedure without talking to the teacher.

3. What are the three main reasons containers of chemicals are kept tightly closed while not dispensing them? Use letters A, B, C and D from above, and write your answers in priority order.

