

Unit One : Worksheet Three

Common Laboratory Tools

I. Choose the correct answer from the choices given

1. First steps to using a bunsen burner:

- a) Place on heat proof mat, connect gas hose to a gas tap and make sure the air hole is closed
- b) Place on heat proof mat, connect gas hose to a gas tap and make sure the air hole is open
- c) Place on heat proof mat, connect gas hose to a gas tap and light the bunsen burner
- d) Place on the bench, connect gas hose to a gas tap and make sure the air hole is open

2. Which flame is hottest on the Bunsen burner?

- | | |
|----------------------|---------------------|
| a) The yellow flame | c) The safety flame |
| b) The working flame | d) The blue flame |

3. Long hair in the laboratory must be

- a) Tied back or kept entirely out of the way with a hair band, hairpins, or other confining device
- b) always neatly groomed
- c) held away from the experiment with one hand
- d) cut short

4. When should you tie back long hair or baggy clothing?

- a) When working with chemicals
- b) When working with a Bunsen burner
- c) When doing dissections.
- d) Any time you are working in the lab.

5. What protects the eyes from flying objects, broken glassware or chemical splashes?

- a) lab coat
- b) eye dropper
- c) electronic balance
- d) safety glasses

II. Identify the scientific equipment shown:



- a) Beaker
- b) Conical Flask
- c) Filter Funnel
- d) Test Tube



- a) Beaker
- b) Flask
- c) Cup
- d) Conical Flask



- a) Tube
- b) test tube
- c) beaker
- d) flask



- a) Funnel
- b) Filter Funnel
- c) Drip Tube
- d) flask



- a) measuring cup
- b) measuring device
- c) measuring cylinder
- d) measuring tube



- a) A spoon b) A spatula c) A stirrer d) A thermometer



- a) mortar and pestle c) evaporating dish
b) Erlenmeyer flask d) beaker



- a) test tube holder c) test tube rack
b) tweezers d) thermometer



- a) clamp stand c) beaker
b) test tube holder d) test tube rack

Which piece of equipment should be used to hold a test tube over the Bunsen when heating?



Which is the part of the Bunsen burner that twists to let in air?

- a) Base b) Cylinder c) Chimney d) Collar

How do you correctly draw a conical flask ?



III. Match the following Laboratory tools in column “A” with their suitable use in column “B” (Put the correct number in the space provided)

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|-------------------------|--|
| 1. Triple- beam balance |Transporting a hot beaker; and removing lid from crucible |
| 2. Beaker | To grow and count bacteria |
| 3. Tongs | Marked with milliliter (ml) |
| 4. Thermometer | Obtaining the mass of an object |
| 5. Test tubes | Heating (flame-safe) contents |
| 6. Petri dish | Used to measure temperature |
| 7. Graduated cylinder | Holds small amount of liquids for mixing or heating |
| 8. Bunsen burner | Holding water (also used to heat liquid) |