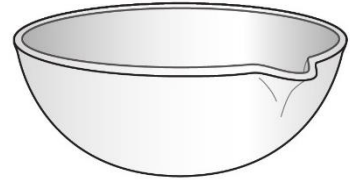


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I. Multiple Choice

1. Name the piece of lab equipment to the right:

- a) Beaker
- b) Evaporating basin
- c) Watch glass
- d) Mortar and Pestle



2. Which of the following is an example of a qualitative observation?

- a) The leaves of the plant are drooping.
- b) The inside of the Earth must be liquid.
- c) The water temperature is 23°C.
- d) This toy must have a magnet in it.

3. What is the function of the piece of equipment to the right?

- a) Supports equipment.
- b) Protects the bench.
- c) Spreads heat evenly.
- d) Separates solids and liquids from a mixture.

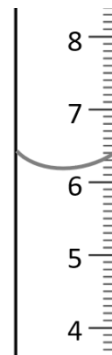


4. What should you do if break a test tube during an experiment?

- a) Put it in the glass bin immediately.
- b) Put it in the trash
- c) Sweep it to one side to deal with later.
- d) Leave it in the sink.

5. What is the reading on the measuring cylinder?

- a) 6.1ml
- b) 6.2 ml
- c) 6.3 ml
- d) 6.4 ml



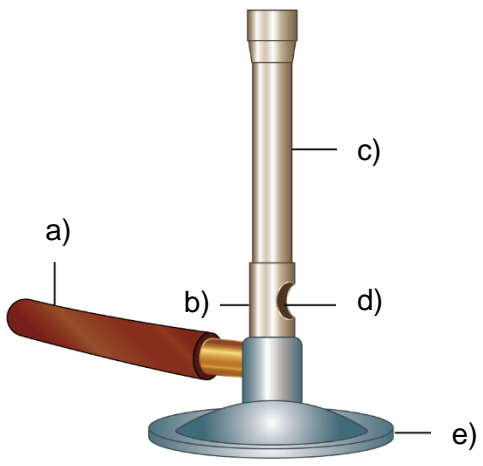
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II. Convert the following:

1. 42 cm = _____ km	2. 8.7 g = _____ mg	3. 80 mL = _____ L
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III. The Bunsen Burner

1. Label the diagram of the Bunsen burner below.

	a)
	b)
	c)
	d)
	e)

2. Describe how to safely light a Bunsen burner.

3. Describe the function of the collar on the Bunsen.

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IV. Safety in Science

Read the lab scenarios below. Describe **TWO** safety rules that are not being followed for each scenario.

1. Cindy accidentally broke a test tube. She carefully picks up most of the pieces with her hands and then dumps the sharp, broken pieces in the trash can.

2. Mike and Colleen have a lot of chemicals left after they finished the lab. They are unsure of what to do with them, so they tip them all into the sink and leaving the water running as they go off to their next class.

V. Investigation Skills

Read the information below and use it to answer the questions.

Clément wants to see if ice melts more quickly on a warm day than on a cooler day. He freezes a tray of ice cubes in his freezer and places 3 cubes in three separate glass containers of the same dimensions. He then times how long it takes for the ice to completely melt over three separate days of different temperatures, (25°C, 20°C, and 15°C) He records the time it takes for the ice to melt, outside temperature and cloud cover for each day in his notebook.

1. Write a hypothesis for Clément's investigation.

2. What is the independent variable for this investigation?

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3. Identify the range for the independent variable.

4. What is the dependent variable for this investigation?

5. Draw a graph for Clément’s investigation using the data provided below.

Temperature (°C)	Time for 3 ice cubes to melt (mins)
15	90
20	40
25	15



Name: _____ Period: _____ Date: _____

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6. Write a conclusion for this experiment. Using the data above.

VI. Drawing Equipment

In the space below draw the setup required to evaporate a liquid using a Bunsen and an evaporating basin. Clearly label your diagram.