Chapter Test Introduction to Science

Name: _____Date:_____

1. Write the number next to the following to indicate the order it would appear on an experiment report. (6)

_____Research the problem

_____Observed and record

_____Make a hypothesis

_____Identify the problem

_____Arrive at a conclusion

_____Test the hypothesis

2. Match the following terms with the correct definition.

_____ 1.	hypothesis	a) organized process used to test a hypothesis
_____ 2.	control	b) an educated guess about the solution to a problem
_____ 3.	variable	c) observations and measurements recorded during an experiment
_____ 4.	experiment	d) a judgment based on the results of an experiment
_____ 5.	conclusion	e) a logical explanation for events that occur in nature
_____ 6.	theory	f) used to show that the result of an experiment is really due to the condition being tested
_____ 7.	data	g) factor that changes in an experiment



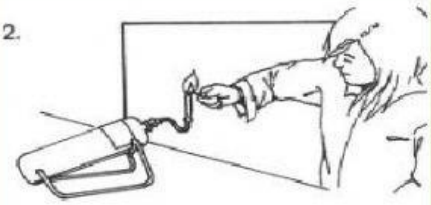
3. **SAFETY IN THE LABORATORY**

What is wrong in the following pictures?

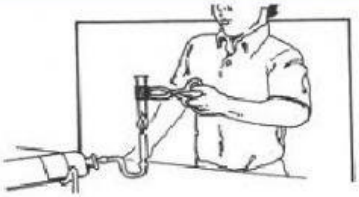
1.



2.



3.



4. Write the term for the following definitions.

_____1. It is the measure of the hotness or coldness of an object.

_____2. The process of sharing ideas and information with other people.

_____3. It is the amount of matter in an object.

_____4. It is the colour of the hottest flame.

_____5. The glassware that can withstand a lot of heat.

_____6. It is the pull of gravity on an object.

_____7. It is the mass of a substance in one units of its volume.

_____8. The basic unit that represents a system of measurements.

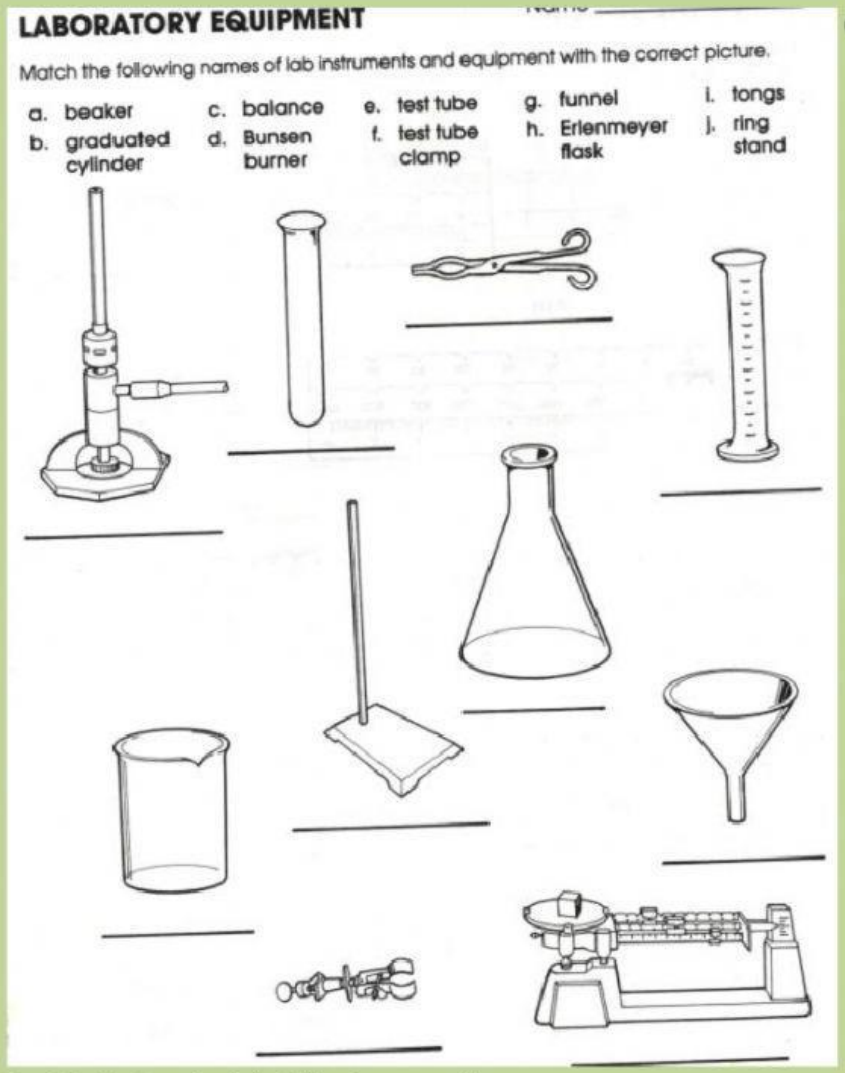


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5. **LABORATORY EQUIPMENT**

Match the following names of lab instruments and equipment with the correct picture.

a. beaker
b. graduated cylinder
c. balance
d. Bunsen burner
e. test tube
f. test tube clamp
g. funnel
h. Erlenmeyer flask
i. tongs
j. ring stand



6. Identify the following safety symbols.



7. For the following areas name which branch of science they are categorized under:

a. Biology _____

b. oceanography_____

c. Zoology _____

d. Chemistry_____

e. Meteorology_____

f. Physics_____

8. Provide the SI unit of the following quantities:

a. Time _____ b. Length _____ c. Volume _____

d. Temperature_____ e. Weight _____f. Mass _____

9. Name the instruments used to measure the following:

a. Time _____ b. Length _____ c. Volume _____

d. Temperature_____ e. Weight _____f. Mass _____

10. Match the label with its description.(6)

a. Toxic substances _____
b. Explosive substances _____
c. Harmful substances _____
d. Flammable substances _____
e. Corrosive substances _____
f. Radioactive substances _____

1. Substances that can be easily ignited if exposed to flames.
2. These can cause death if swallowed, or if their fumes are inhaled.
3. Can destroy body tissues, clothing, furniture and equipment.
4. Substances that give off harmful rays that cause lasting damage to body tissues.
5. These can cause vomiting if tasted or swallowed.
6. Substances that can explode if explode if exposed to flames, air, moisture or heat.

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