

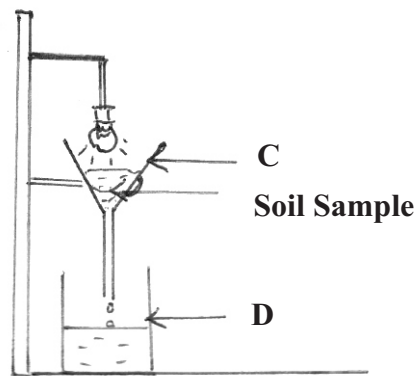




## Part II

- Question no (i) is compulsory
- Answer question no (i) and four more questions.

(01) The figure shows an experimental setup to observe particular group of organisms. The soil sample contains in the funnel is being made wet. by small quantity of water.



- (A) i) Which group of organisms is observed in this activity? .....
- ii) What is the purpose of lighting a bulb above funnel? .....
- iii) What is the laboratory equipment is used to observe this group of organisms ?  
.....
- iv) Name C and D apparatus.  
C - ..... D - .....
- v) What is the common name for organisms wh produce food by them selves.  
..... (2 × 5)

(A) Answer questions by using following words.

- |           |                |           |              |
|-----------|----------------|-----------|--------------|
| a) Plants | b) Sea anemone | c) Amoeba |              |
| d) Frog   | e) Sesbenia    | f) Bat    | g) earthworm |

- i) An Organism who can not observe by our naked eye. ....
- ii) An animal who cannot locomote .....
- iii) A plant that shrink its leaves in the evening .....
- iv) .....show unlimited growth
- v) An organism who uses skin, lungs, buccal cavity in its respiration .....
- vi) .....is an animal who gives birth to offsprings.

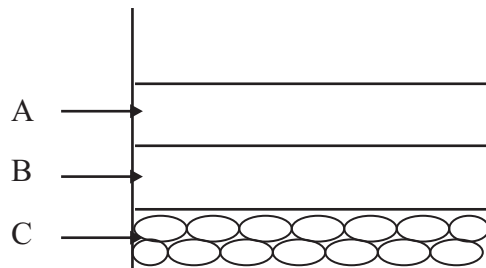
- (02) i) Matter exists in physical states as solid, liquid and gas. Classify given materials in the table correctly.

solid Matter	liquid matter	gaseous matter
1) .....	2) .....	3) .....
4) .....	5) .....	6) .....

(Pencil , Rocks , Water Vapour , Coconut oil , Oxygen, Water)

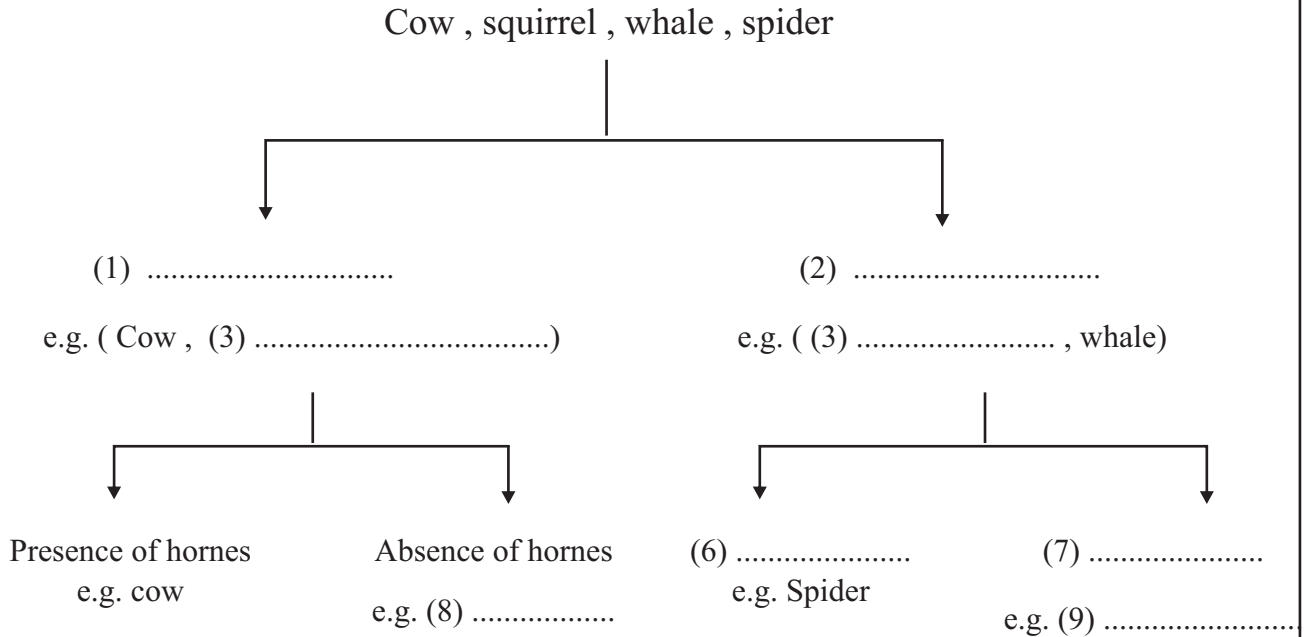
- ii) What is the matter which doesn't have definite shape and definite volume?  
.....
- iii) State 02 common features of matter.  
a) ..... b) .....
- iv) Name 02 types of energy  
a) ..... b) .....
- v) Write 02 properties of matter. State instances where using those.  
Property - ..... Property - .....  
Instance - ..... Instance - .....

- (03) Following set up demonstrates types of water exist in the earth.

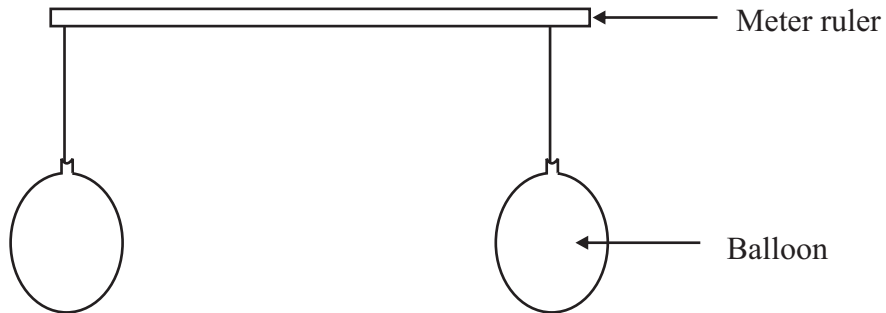


- i) Name A, B, C  
A - ..... B - ..... C - .....
- ii) Write 03 types of water that exist in above set up.  
1) - ..... 2) - ..... 3) - .....
- iii) Classify water according to its salinity  
1) - ..... 2) - ..... 3) - .....
- iv) What is meant by water pollution .....
- v) Write an instance that water get wasted at home .....

- (04) i) Explain the term 'dichotomous key'  
 ii) Complete the following dichotomous key



- (05) The following experiment set up demonstrate a characteristic of mater.

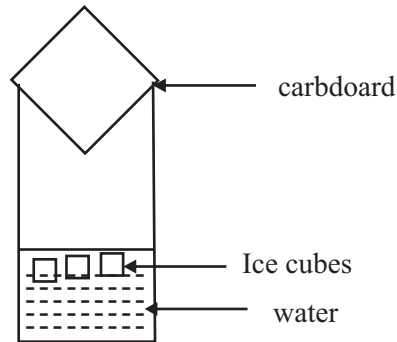


- (i) Which characteric of matter is shown by this experiment .....
- (ii) What you have to do to demonstrate above characteric of matter? .....
- (iii) Draw a labelled diagram of the observation given above.



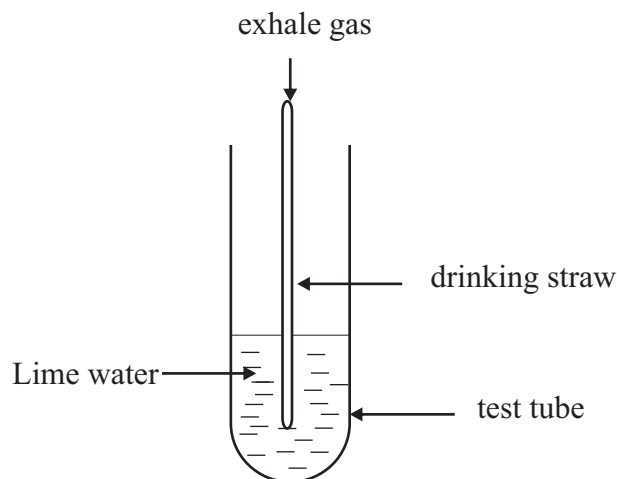
- iv) State 02 properties of solid matter
1. ....
  2. ....
- v) Statelaboratory apparatus that used in measuring the followings.
1. Volume of liquids .....
  2. Mass .....

(06) The following figure shows an activity to show the presence of water vapour in the atmosphere.



- i) State an observation after adding ice cubes into the beaker. ....
- ii) Explain reasons for above observation .....
- iii) What is the consumable percentage of water in this earth ? .....
- iv) Why water is considered as limited resource even though over 70% of the earth's surface is covered by water ?  
 .....  
 .....
- v) What is meant by water pollution  
 .....
- vi) Write 02 ways of water pollution  
 1) .....  
 2) .....

(07) Respiration is an important biological process in organisms. Following experiment is based on identifying gases in exhaled air



- I) State a characteristic of organism besides respiration .....
- ii) What are the gases contain in inhalation and exhalation  
Inhalation - ..... exhalation - .....
- iii) Which gas can be identified by using lime water .....
- iv) What is the colour change take place in lime water .....
- v) How do we call the things which do not have life .....
- vi) Write 02 main types of organisms.  
a) .....  
b) .....
- vii) Write 03 methods of locomotion in animals  
a) .....  
b) .....  
C) .....