A

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First Term Evaluation 2019-20

E 506

Basic Science

Class 5

Time : 2 hours

Instructions

1. 15 minutes cool-off time for reading the questions.
2. **EIGHT** activities are given.
3. Answer any **SIX** activities.

Activity - 1

Observe the picture

Cuscuta

Lorantnus

Vanda

Bread mould

a) Choose suitable captions from the following and write them.

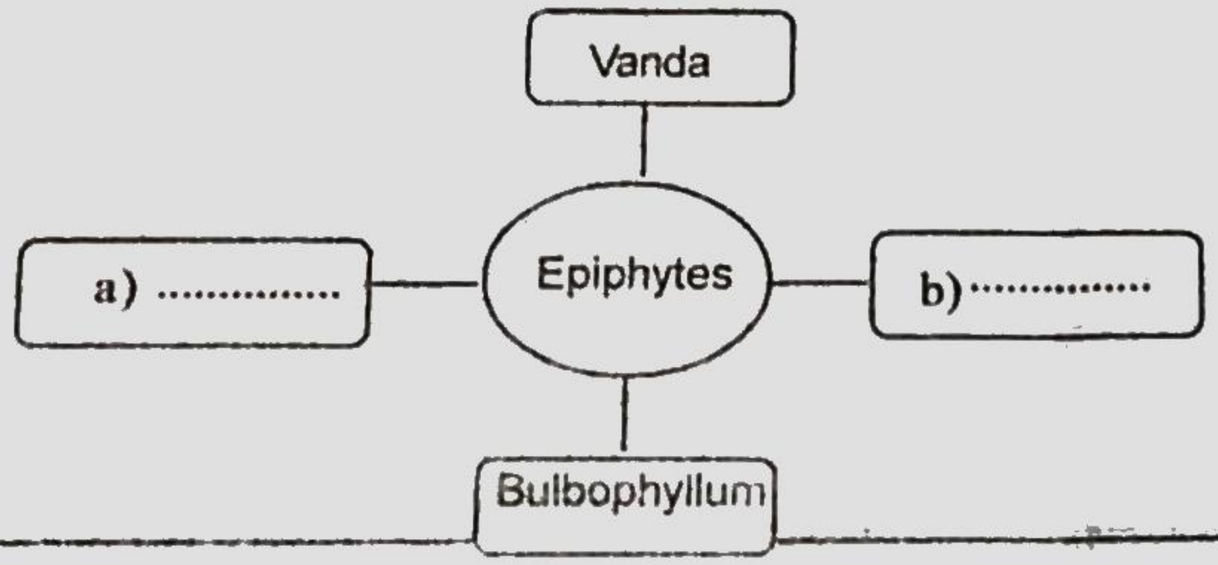
i) Prepares food in leaves by absorbing water and minerals from the host plant.

ii) Receives food directly from the host plant,

iii) Grows on host plant and prepares food by absorbing moisture from atmosphere.

iv) Absorbs nutrients from decomposed matter.

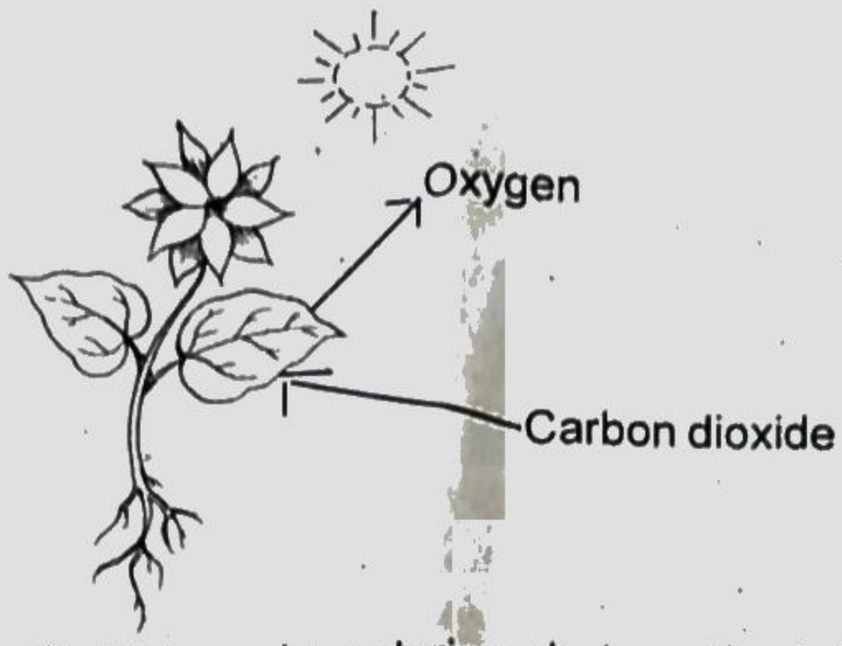
b) Complete the word web.



c) How does cuscuta affects the growth of the host plant?

Activity - 2

Observe the picture



a) Which is the right process that takes place during photosynthesis?
   i) Receives oxygen and releases carbon dioxide
   ii). Releases oxygen not receives carbon dioxide.
   iii). Absorbs carbon dioxide, releases oxygen.
   iv). Receives carbon dioxide, not releases oxygen.

b) What is the importance of leaf in photosynthesis?

c) Complete the boxes given below.

Carbon dioxide + [a .....] —Sunlight / Chlorophyll→ [b .....] + Oxygen

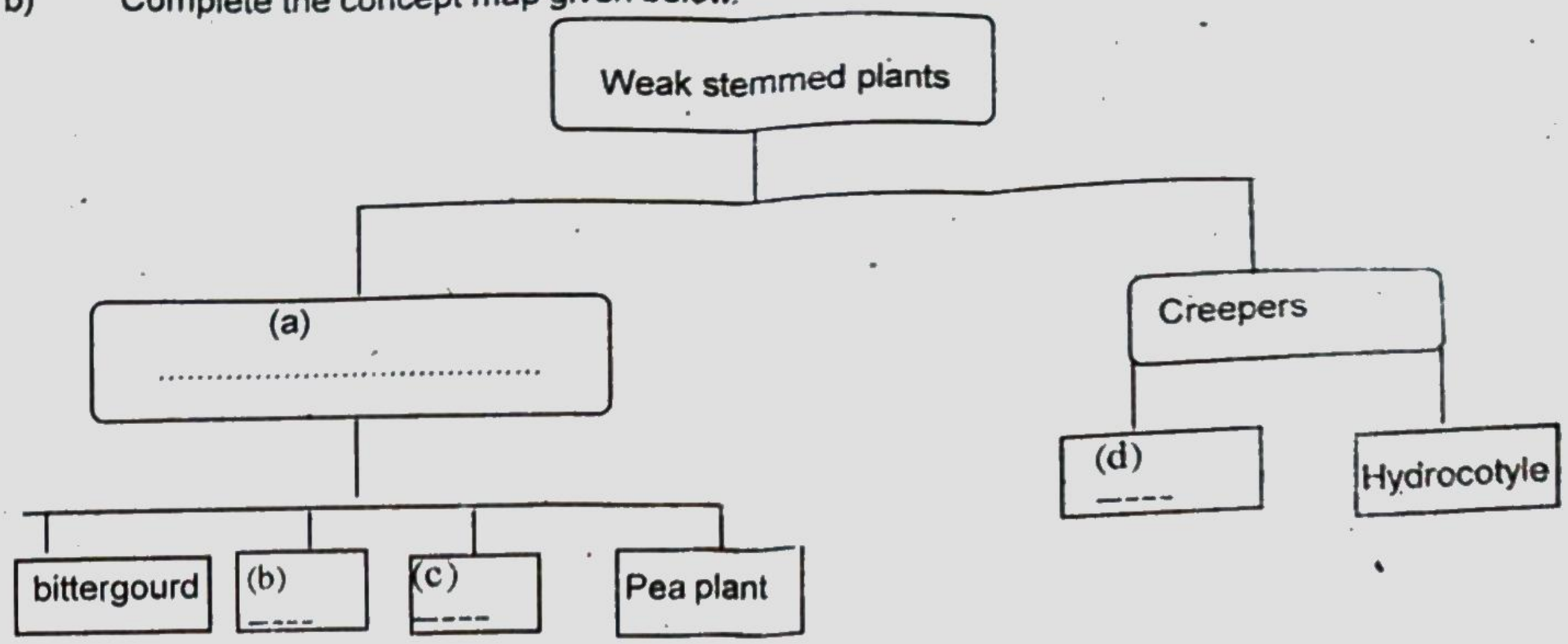
Activity - 3

Data collected by a student for a project on 'Weak stemmed plants and their peculiarities' are given below.

Plant	Mode of growth	Adaptation of growth
Bitter gourd	Climbs and spreads on support	Spring like parts (facilities)
Betal plant	Climbs and spreads on support	Clinging roots
Pea plant	Climbs and spreads on support	Using stem
Money plant	Climbs and spreads on support	Clinging roots

a) Analyse the above data and write your findings.

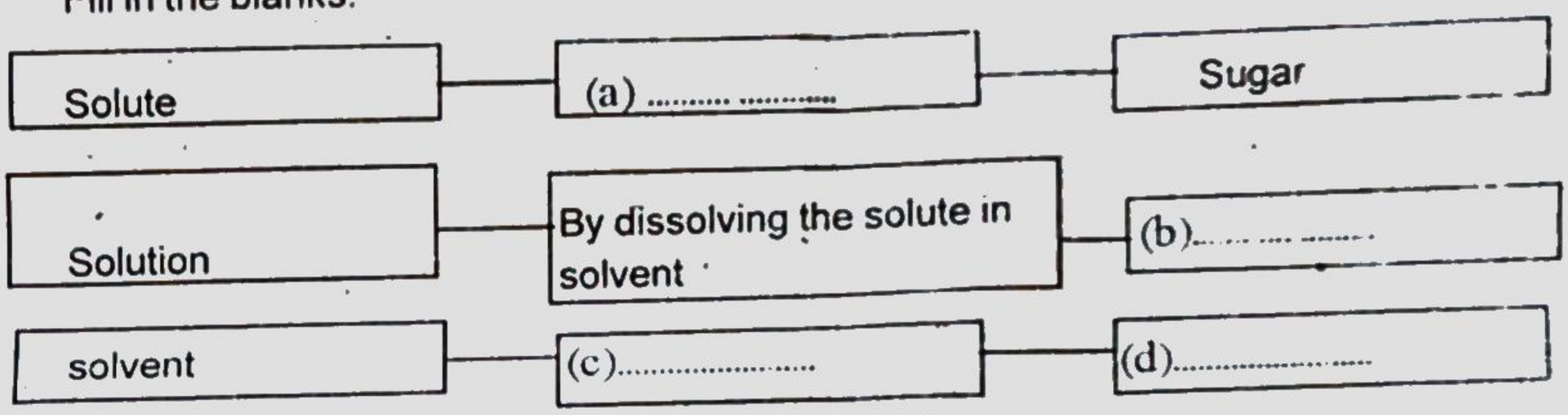
b) Complete the concept map given below.



c) Passion fruit is much familiar fruit for you. Which category does it belong to?

Activity - 4

a) Fill in the blanks.



b) Choose and write two methods to increase the solubility of solute.

- Add more solvent
- Add more solute
- Heating
- Cooling
- Powdering the solute
- Stirring
- Place it undisturbed

c) 'Water is a universal solvent'. Which of the following is suitable to this statement?

i). Abundantly present in Earth
ii). Can dissolve many substances.
iii). Organisms consumes plenty of water
iv). Water has the property of evaporation

Activity - 5

Given below are the details collected by a student in connection with a seminar on "Water Conservation".

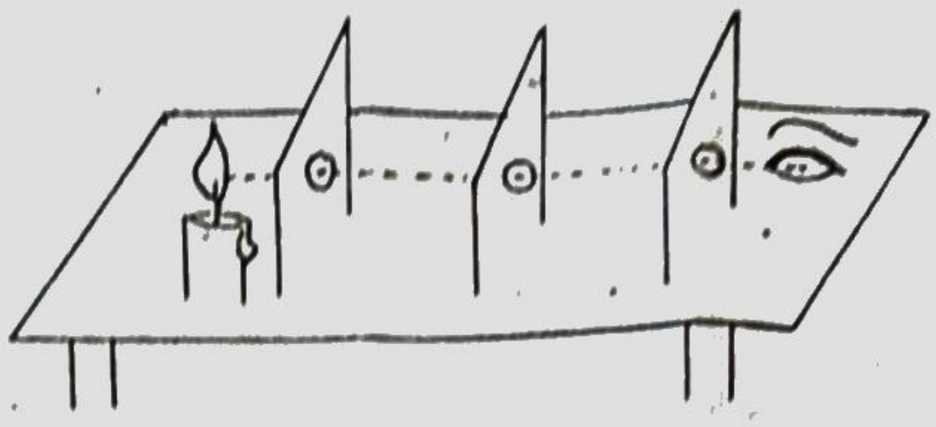
- The amount of pure water available on Earth is 3%
- Pure water is not available for about 678 million people.
- 80% of polluted water in developed countries is drained to water bodies without purification.
- 3.4 million people dies due to waterborne diseases every year.
- 80% of used water is not be collected or purified.

a) Write your findings about the availability of pure water analysing the above statements.

b) Suggest three methods of water conservation which can adopted by us.

Activity - 6

a) The diagram of an experiment is given below. Write the inference of this experiment. Write two things to be considered in this experiment to reach this inference?



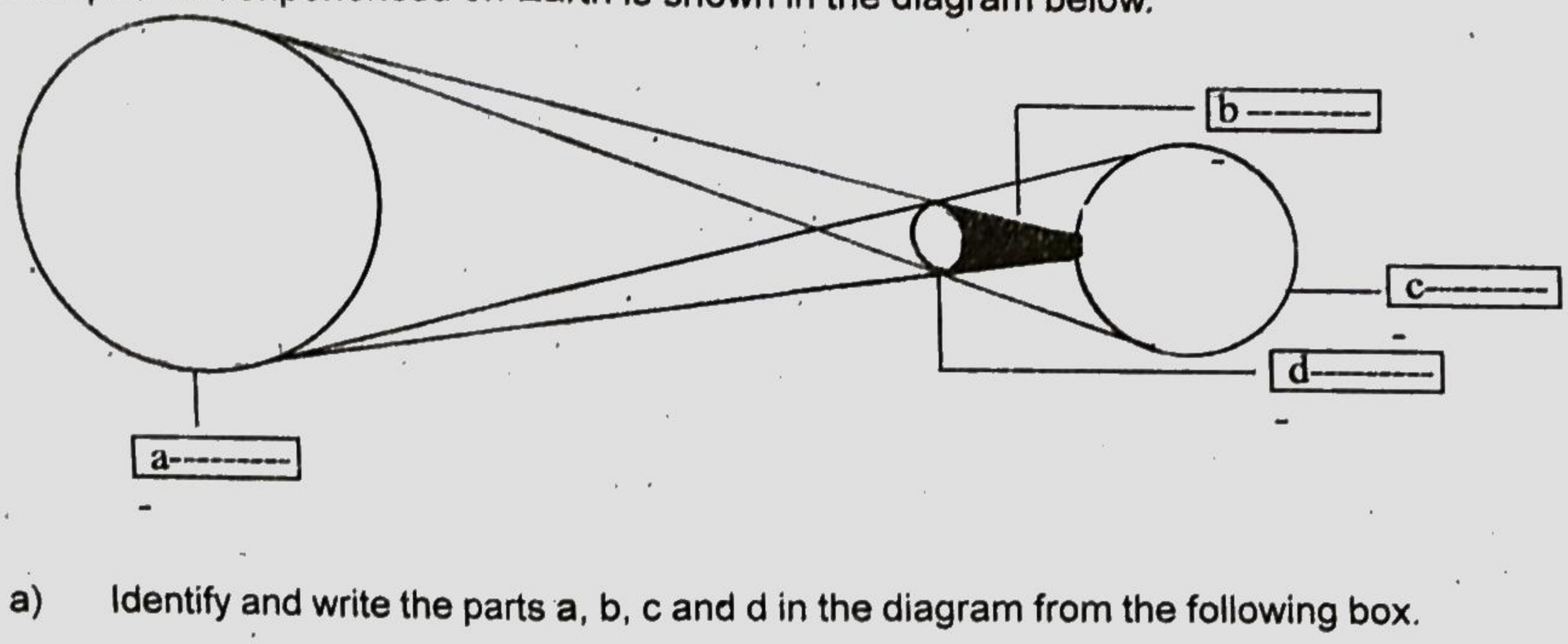
b) Complete the table.

Transparent objects	(a).....	Opaque objects
(b).....	Oily paper (d.....	(c) .....

c) The fish under water is visible because the water is
(i) transparent
(ii) opaque

Activity - 7

An eclipse that experienced on Earth is shown in the diagram below.



a) Identify and write the parts a, b, c and d in the diagram from the following box.

Earth, Moon, Sun, Path shadow of the moon

b) Name the eclipse indicated in the diagram.

c) What is an eclipse? Write in one or two sentences.

Activity - 8

a) Write four natural calamities related to rain.

b) Write two activities that lead to landslides in hilly areas.

c) Write any one precaution to be taken to avoid flood disaster.