

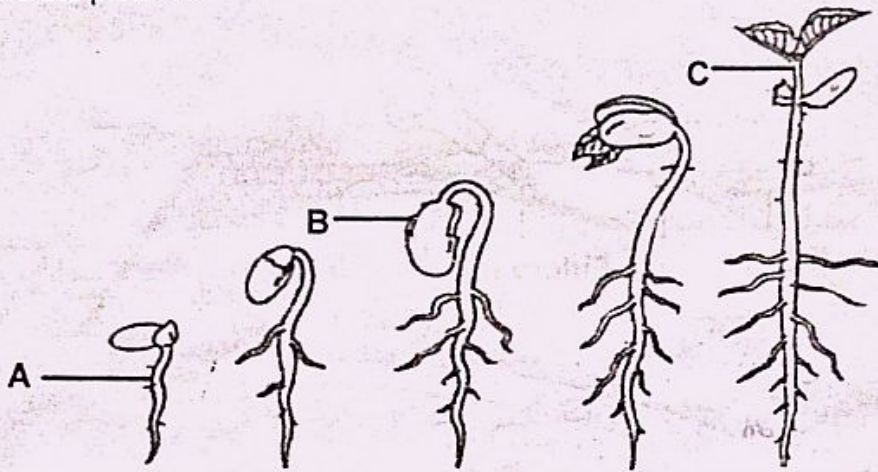
Standard : 5

Time : 2 Hrs

- 15 minutes is given as cooloff time.
- Read the questions carefully during this time.
- Attend any 6 activities from 8 activities

Activity 1

Observe the picture.



- A) Identify the parts marked A, B, C and write their names.
- B) What changes happen to each of these parts as the plant grows?
- C) Classify the following plants based on their peculiarities and complete the table.

Paddy, Tapioca, Bryophyllum,
 Bread Fruits, Pea, Jasmine,
 Curry leaves, Nilappana

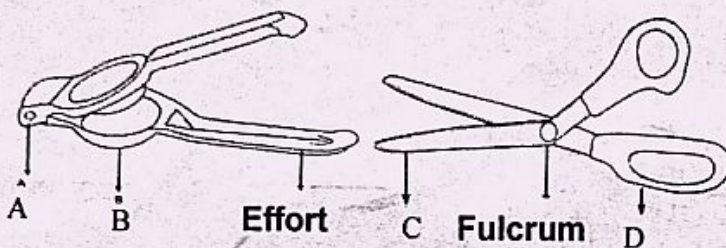
Seed sprouting	.....	.....	Root sprouting
.....	Bryophyllum	Tapioca	.....
.....

Activity 2

- A) A nail cutter is a device used to cut our nails easily. Complete the table by adding more devices which make our task easier in different situations.

Situations which make task easier	Device
Loosen the screw	1)
2)	Scissors
3)	Forceps

- B) Observe the instruments and identify A, B, C and D.



Activity 3

Observe the picture.



FILAMENT BULB



CFL



LED BULB

- A) Which bulb is the best to use? Why?
- B) An incubator is a device used to hatch eggs artificially. Which bulb is used in this device? Why?
- C) Prepare a poster which contains the message of energy conservation to be displayed in your school on 'Energy Conservation Day'

Activity 4

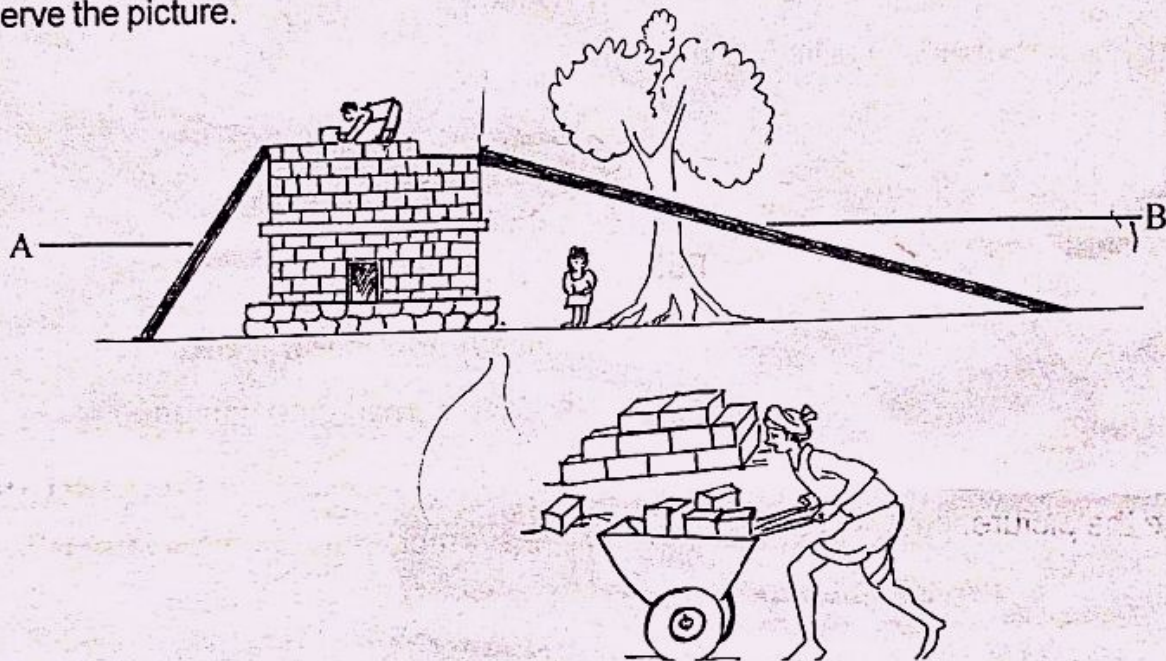
- A) Haven't you seen ficus trees sprouting on the top of some buildings? What feature of the ficus fruit helped the seeds reach there?

B) Complete the following table.

Method of seed dispersal	Plants	Adaptations of seeds
Through air	.....	.....
.....	Coconut	.....
.....	Balsam	.....
Through animals	.....	.....

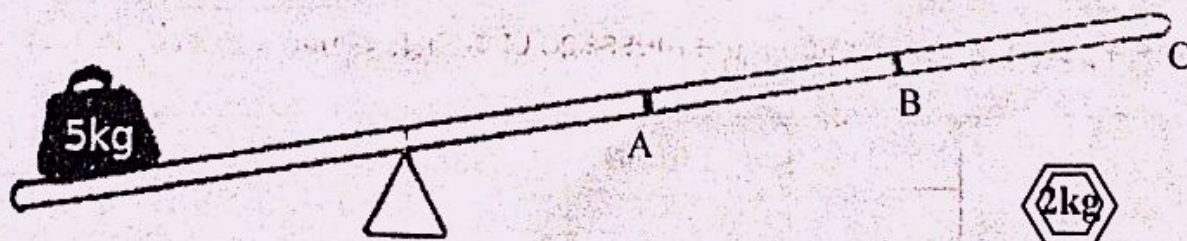
Activity 5

Observe the picture.



- Which is the easiest way for Vinod to carry the weight to the top, A or B. What will be the reason for his selection?
- Suggest another way to lift heavy objects to the top.

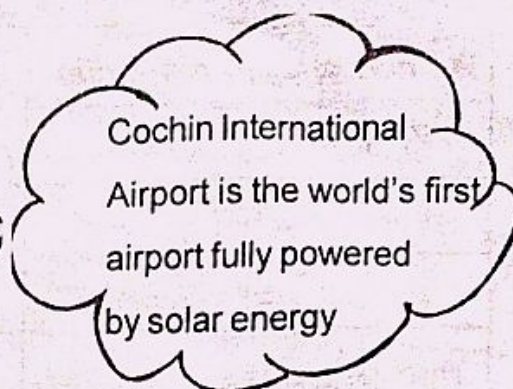
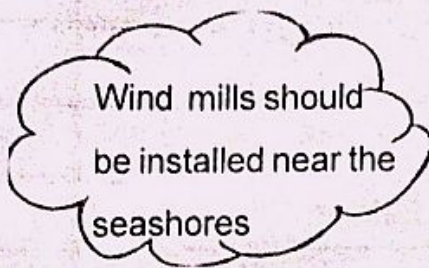
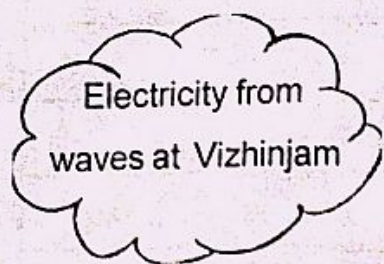
Observe the picture.



- Where can we place the 2 kg weight to lift the 5kg weight easily? Why?

ACTIVITY 6

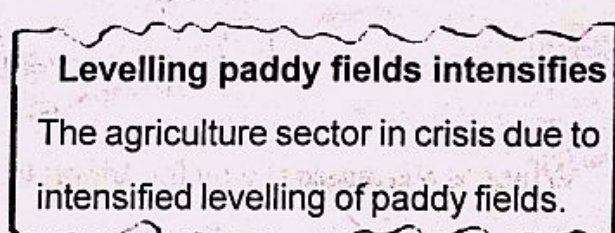
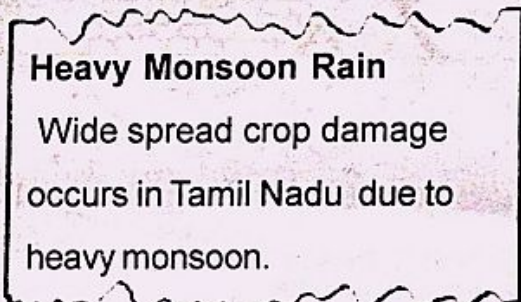
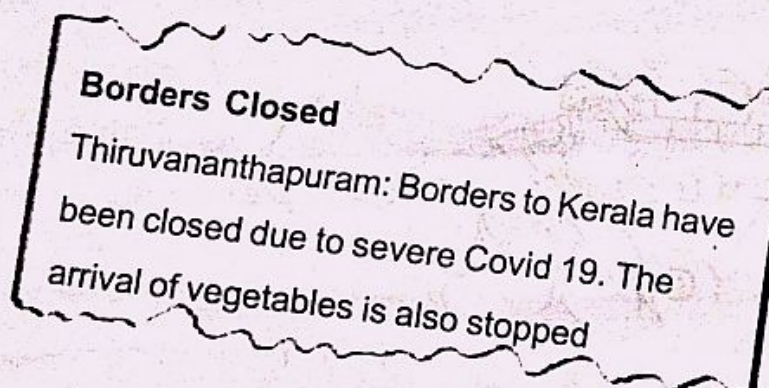
Observe the collage.



- A) What are the sources used in the above collage for the production of energy ?
- B) What are the general features of these energy sources?
- C) Name any two devices that utilize solar energy.

Activity 7

Read the newspaper reports given below.



- A) Write three findings that you arrive at the above newspaper reports
- B) Suggest any two methods to overcome such crisis

Activity 8

- A) Classify the following fuels into solid, liquid and gas

Firewood, Petrol, Hydrogen, LPG, Coal, Kerosene

Solid	Liquid	Gas

- B) Will the fossil fuels like petrol, diesel and LPG vanish from Earth in future?
Write your opinion. Explain.