

Activity Bank

Section A

(Based on chapters 1 to 4)

Experiment

(Chapter 1)

Do an experiment to check that the root grows downwards and the shoot grows upwards.

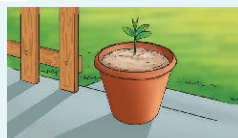
Steps



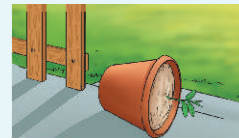
1. Take a pot.



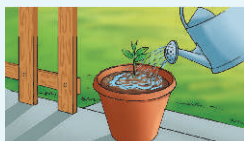
2. Plant a sapling in it.



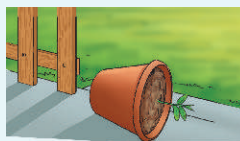
3. Place the pot in an open space.



4. Make the pot horizontal and leave it as it is.



5. Every day, make the pot stand and water the plant.



6. When the soil in the pot has soaked the water, lay it down again.



7. Observe the plant after a few days.

You will see that the stem of the plant bends and grows upwards. If you take out the plant carefully, you will see that the main root of the plant bends downwards.

Wordsearch

(Chapter 2)

In the wordsearch, the names of 12 animals are hidden. Find and encircle them.

P	B	E	A	K	J	C	W	H	A	L
E	L	C	L	W	C	H	I	R	U	G
N	I	H	I	A	O	A	M	F	P	A
G	Z	I	O	S	P	M	I	I	O	Z
S	A	P	M	P	R	E	C	S	S	E
A	R	M	A	D	I	L	L	O	S	L
L	D	U	F	L	K	E	T	H	U	L
M	N	N	M	U	T	O	A	D	M	E
O	E	K	S	K	U	N	K	B	I	R
N	P	U	F	F	E	R	F	I	S	H

Find Out

(Chapter 2)

Taking help from books, magazines, newspapers, the Internet, etc., find the names of the following.

- ten endangered animal species
- ten extinct animal species

Project

(Chapter 3)

Visit a gymnasium in your locality. Observe how the people who exercise there, have developed muscles. Ask them about their diet and lifestyle.

Write your findings in the form of a report. Write your name and class on the front page and submit the report to your teacher.

Group Debate

(Chapter 4)

Make groups of four students each. Each group will have a debate on the following topic.

'The nervous system is most important among all the organ systems.'

In each group, two students will speak in favour of the topic and the other two will speak against it.

Activity Bank

Section B

(Based on chapters 5 to 7)

Wordsearch

In the wordsearch, the names of 12 sources of vitamins are hidden.

Find and encircle them.

P	M	E	C	H	E	E	S	E
U	C	A	R	R	O	T	P	S
M	T	O	M	A	T	O	O	E
P	A	C	I	R	B	A	T	S
K	F	A	L	P	N	T	O	P
I	I	U	K	E	N	M	R	I
N	S	O	Y	A	B	E	A	N
K	H	L	J	N	E	A	N	A
C	U	R	D	U	F	L	G	C
C	A	B	B	T	C	N	E	H

(Chapter 5)

Group Activity

Make groups of five students. Select a leader in each group. Each of the remaining four students will write about 'different ways to prevent communicable diseases'. The leader will collect their lists, strike out the common ways and prepare a final list of the remaining ways. He or she will then submit the final list along with the list of each student to the teacher.

(Chapter 6)

Find Out

Taking help from books, magazines, newspapers, the Internet, etc., find the names of the following:

- ten diseases caused by bacteria
- ten diseases caused by viruses

(Chapter 6)

Project

Visit a nearby automobile service centre. Ask about different types of tools (simple machines) used by the mechanics there. Find how many small and big, simple and complex machines together make a complete car. What tool do they use to lift cars?

(Chapter 7)

Write a report on your visit and submit it to your teacher.

Experiment

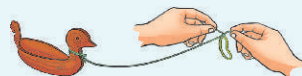
Do an experiment to check the usefulness of an inclined plane.

(Chapter 7)

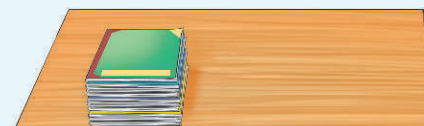
Steps



1. Take a toy, a piece of string, a rubber band, a ruler, a board and 10-15 books.



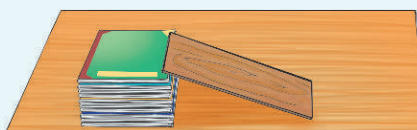
2. Tie a string around the toy and attach the rubber band to the string.



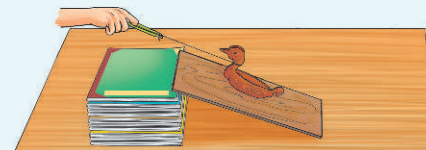
3. Make a stack of books about six inches high.



4. Lift the toy by pulling the rubber band straight up to the top of the book pile.



5. Form a ramp by leaning the board against the top of the stack.



6. Now, pull the toy up the ramp with the rubber band.

How much does the rubber band stretch in each case? Which was the easier way to move the toy to the top of the pile?

Project

(Chapter 8)

Collect pictures of different satellites launched by India. Using the Internet, find out when each of them was launched.

Then, take a sheet of chart paper. Write 'India's Space Journey' on top of it. Paste pictures of the satellites in chronological order. Write their names and the dates of their launching.

Find Out

(Chapter 8)

Taking help from books, magazines, newspapers, the Internet, etc., find out the following facts.

- The number of known satellites each planet has
- The name and size of the largest satellite in the universe

Experiment

(Chapter 9)

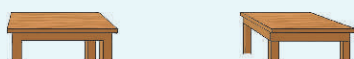
Make a model showing a solar eclipse.

Steps

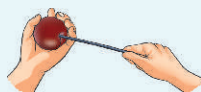
1. Take a muskmelon, a plum, a flashlight, a thin stick and two stools with flat tops.



4. Switch on the flashlight. Here, the melon represents the earth and the flashlight represents the sun.



2. Place the stools a little distance apart as shown.



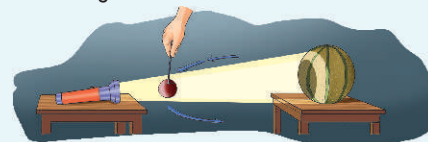
5. Now, insert the stick in the plum, which represents the moon.



6. Switch off the lights.



3. Place the melon and the flashlight on the stools as shown.



7. Move the 'moon' between the 'sun' and the 'earth'.

It is how the moon casts its shadow on the earth.

Wordsearch

(Chapter 10)

In the wordsearch, the names of 12 rocks are hidden. Find and encircle them.

Q	U	A	R	T	Z	I	T	E	M	P	T
C	O	N	G	L	O	M	E	R	A	T	E
S	S	L	S	L	A	T	E	N	R	I	C
A	G	A	R	I	R	O	C	B	B	G	H
N	N	P	U	M	I	C	E	A	L	N	O
D	E	V	A	E	M	E	T	S	E	E	P
S	I	O	B	S	I	D	I	A	N	O	K
T	S	K	E	T	S	H	A	L	E	U	E
O	S	A	L	O	M	A	G	T	A	P	M
N	G	R	A	N	I	T	E	M	O	R	P
E	P	O	T	E	X	T	R	U	S	N	O

Group Discussion

(Chapter 10)

Make groups of four students each. Each group will discuss the following topic.

'The importance of rocks and minerals in our lives.'

Make sure that each student says something on the topic.

Activity Bank

Section D

(Based on chapters 12 to 14)

Group Discussion

(Chapter 12)

Make groups of four students each. Each group will discuss the following topic:

'Interdependence between plants and animals'

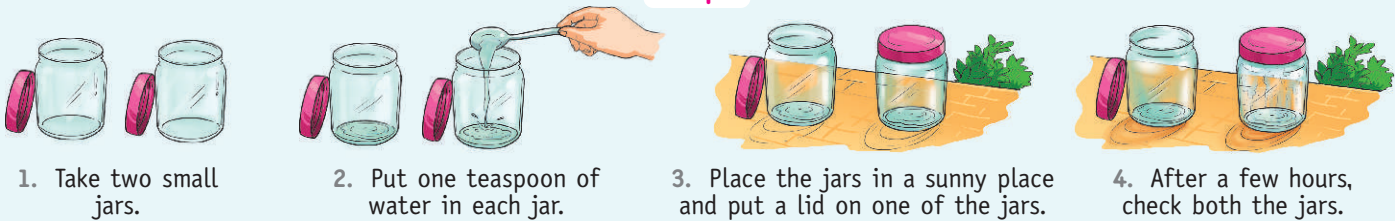
Make sure that each student say something on the topic.

Experiment

(Chapter 12)

Conduct an experiment to show the process of global warming.

Steps



1. Take two small jars.

2. Put one teaspoon of water in each jar.

3. Place the jars in a sunny place and put a lid on one of the jars.

4. After a few hours, check both the jars.

Only the closed jar will be hot and steamy as the heat from the sun could not escape from the closed jar.

Wordsearch

(Chapter 13)

In the wordsearch, the names of 12 forest products are hidden.

Find and encircle them.

C	L	O	U	C	A	N	E	P	S
O	F	L	O	S	S	R	P	R	A
T	W	J	I	R	E	F	E	U	N
I	A	T	L	A	M	R	A	B	D
M	T	R	K	I	G	U	M	B	A
B	M	E	D	I	C	I	N	E	L
E	N	I	L	E	C	T	N	R	W
R	B	A	M	B	O	O	A	R	O
S	H	A	D	R	I	T	Y	R	O
C	J	U	T	E	R	Y	E	S	D

Project

(Chapter 13)

Make a poster on the following topic:

'Save Water, Save Earth'

Remember you have to draw and paint the poster. Do not paste any picture.

Find Out

(Chapter 14)

Given below are pictures showing four natural disasters. Find out the names of the disasters and how they occur.





