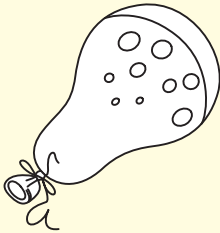


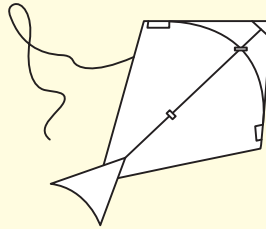
## BEFORE WE START, LET'S CHECK

### What you already know

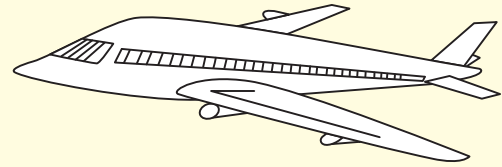
Colour the pictures and complete the names.



B \_ L \_ O \_ N



\_ \_ T \_



A \_ R \_ \_ L \_ \_ E

### What you will know

What are the features of air?



What are the different forms of air?



What are the uses of air?



Air is all around us.

We cannot see air.

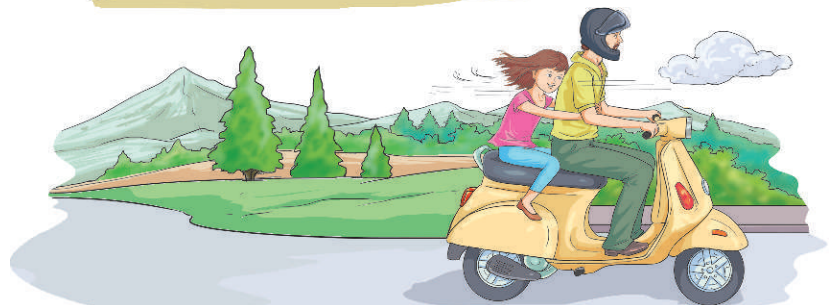
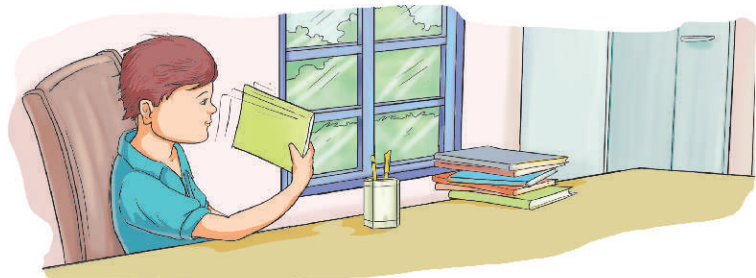
But we can feel it.

Take a thin book.

Fan your face with it.

You will feel air on your face.

You can also feel air on a moving two-wheeler.



## AIR IS NEEDED FOR LIVING

All living things need air to live.

Press your nose and mouth gently with your hands.

After some time, you will feel uneasy.

It is because you are not getting air to breathe.

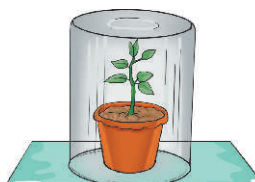


### Fun and Learn

Do the following activity.



Take a potted plant.



Put a glass jar over it.



After a few days, the plant will die.

Plants also need air to live.

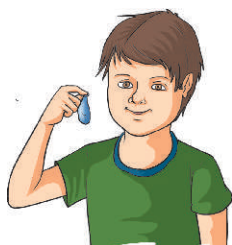
Animals too need air to breathe.

Air is also present in water.

Water animals breathe in this air.



## AIR FILLS SPACE



Take an empty balloon.



Blow air into it.



The balloon becomes bigger and round.

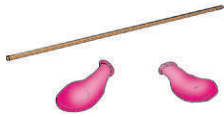
The balloon becomes bigger because it has air inside it now.

Air fills the space inside the balloon.

## AIR HAS WEIGHT



### Fun and Learn



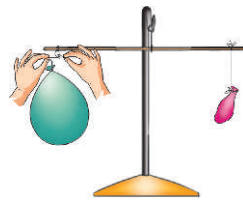
Take a thin stick and two balloons of the same size.



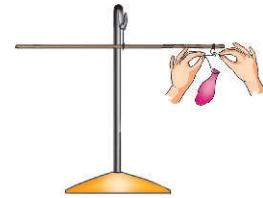
Blow air into the second balloon.



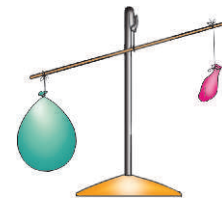
Hang the stick as shown.



Tie this balloon to the other end.



Now tie an empty balloon to one of its ends.



The stick tilts towards the air-filled balloon.

This shows that the air-filled balloon has more weight.

This weight is of the air inside the balloon.

Thus, air has weight.

## AIR HELPS IN BURNING



### Fun and Learn

Do the following activity.



Take a candle. Ask any elder to light it.



Cover it with a glass jar.



The candle stops burning.

The candle stops burning because there is no air inside the jar.

Thus, air helps in burning.

## AIR HAS DIFFERENT FORMS

We can feel air when it moves.

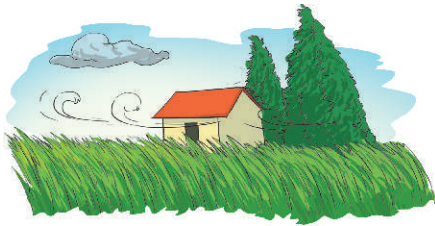
Moving air is called **wind**.

When wind moves gently, it is called a **breeze**.

Sometimes wind blows fast and is very strong.

Very fast and strong wind is called a **storm**.

Storms can cause damage to houses, trees and crops.



breeze

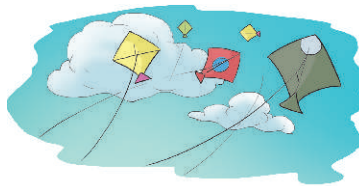


storm

## USES OF AIR



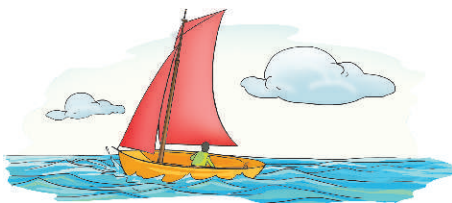
Air helps in drying clothes.



Air makes the kites fly.



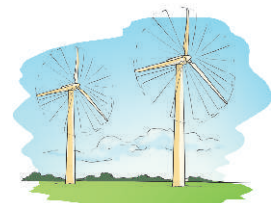
Air makes the parachutes fly.



Air moves a sailboat.



Air helps the gliders to move.



Air moves the blades of a windmill.



Air can be filled in many things.

## Words to Remember

- wind – moving air
- breeze – very slow-moving air
- storm – very fast and strong wind
- glider – a light aircraft that flies without an engine
- windmill – a machine that produces electricity using wind

## Points to Recall

- \* Air is all around us.
- \* We cannot see air but we can feel it
- \* All living things need air to live.
- \* Air fills space.
- \* Air has weight
- \* Air helps in burning.
- \* Moving air is called wind.
- \* Storms can cause damage to houses, trees and crops.
- \* Air has many uses.

## Exercises

### A. Tick (✓) the correct option.

1. We can \_\_\_\_\_ air.

(a) see

☐

(b) feel

☐

(c) taste

☐

2. Who breathe in air?

(a) we

☐

(b) animals

☐

(c) both (a) and (b)

☐

3. We can fill air in a

(a) football

☐

(b) balloon

☐

(c) both (a) and (b)

☐

4. Very fast-moving air is called

(a) wind

☐

(b) breeze

☐

(c) storm

☐

5. Air helps a \_\_\_\_\_ to move.

(a) sailboat

☐

(b) glider

☐

(c) both (a) and (b)

☐



**B. Write 'T' against true statements and 'F' against false ones.**

1. Plants need air to live.
2. Air has no weight.
3. An empty football is heavier than an air-filled football.
4. Storms can cause damage to houses.
5. Air moves the blades of a windmill.



**C. Write four uses of air.**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

**D. Answer the following questions.**

1. Can we see and feel air? \_\_\_\_\_
2. From where do water animals get air to breathe? \_\_\_\_\_
3. Why does a balloon become bigger after we blow into it? \_\_\_\_\_
4. What happens if we cover a fire from all sides? \_\_\_\_\_



**BRAINSTORM**

Look at the following pictures. Then, answer the questions below.



JAR A



JAR B

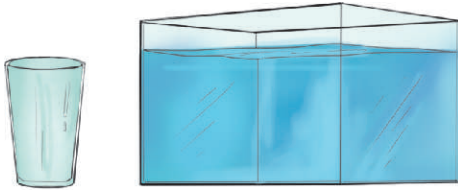
In which jar will the frog remain alive?



Why is the old lady fanning the stove?



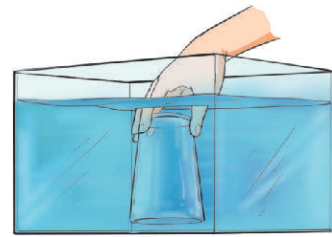
## Fun and Learn



Take an empty glass and a glass box filled with water.

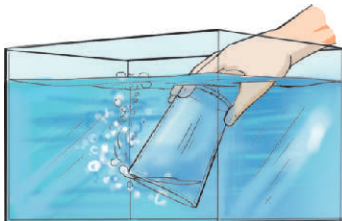


Turn the glass upside down.



Put the glass in the water slowly. Do not tilt it.

The water is not filled in the glass.



Now tilt the glass.

You will see bubbles coming out of the glass. The glass will also get filled with water.

Where do you think these bubbles come from?

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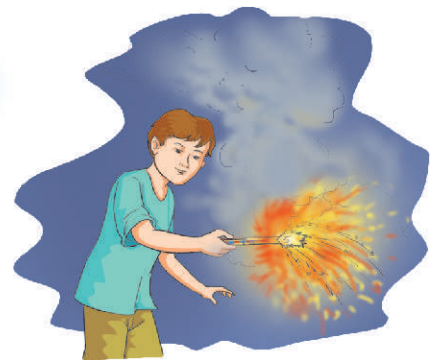


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## TELL YOUR TEACHER

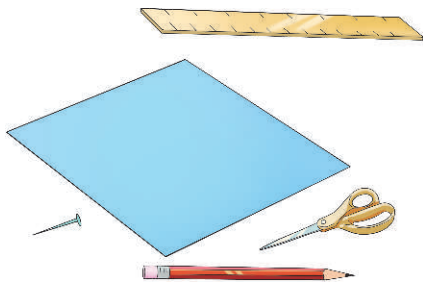
We know that we cannot live without air. But the air we breathe in must be clean. If we breathe in dirty air, we may fall ill. Look at the pictures carefully and tell your teacher how the air is getting dirty in each.



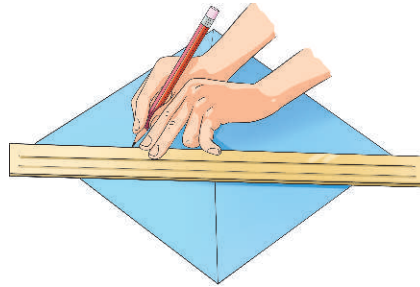


## Activity Time

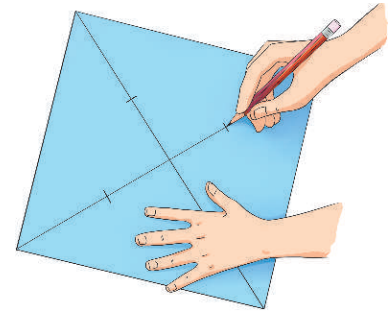
Make a pinwheel with the help of your teacher.



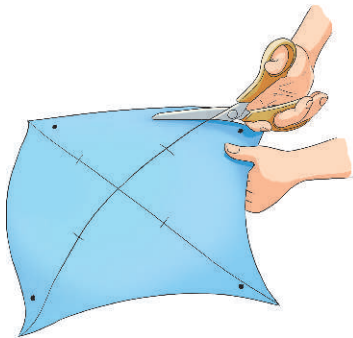
Take a square piece of paper, a pencil fitted with an eraser, a ruler, a pin and a pair of scissors.



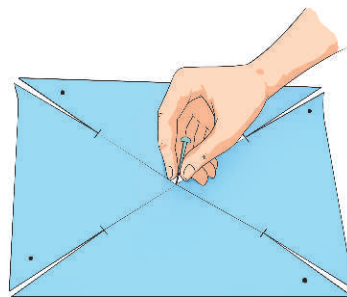
Draw two diagonal lines on the piece of paper.



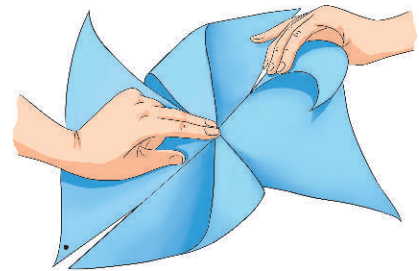
Mark the central point and two points on each diagonal line as shown.



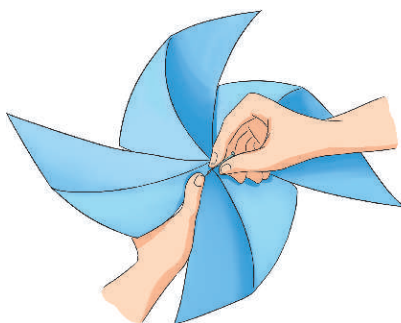
Cut along the diagonal lines from each corner up to the marked points.



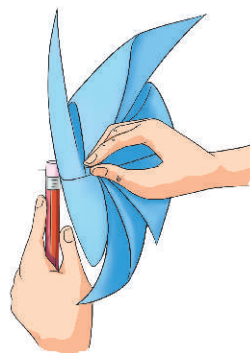
Using the pin, make a hole in the centre and four holes at the corners as shown.



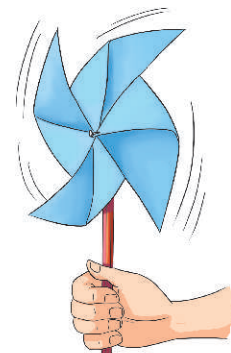
Now, curl each holed corner point towards the central point as shown.



Push the pin through all the holes.



Hold the pencil firmly and push the pin into the side of the eraser on the pencil.



Your pinwheel is ready.