

Chapter - 10

AIR

Who has seen the wind?

Neither I nor you;

But when the leaves hang trembling

The wind is passing through

Who has seen the wind?

Neither you nor I;

But when the trees bow down their
heads

The wind is passing by



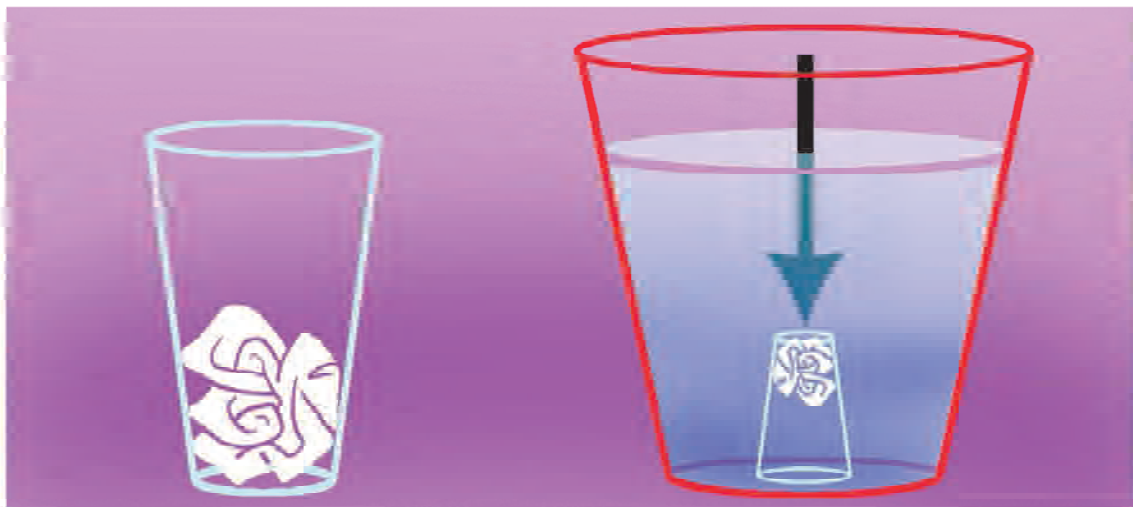
Christina Rossetti

We feel the blowing of breeze when all the things move around us. Write three things by which we can feel the blowing of air-

- 1.....
- 2.....
- 3.....

Let's conduct an experiment on Air-

Take an empty glass. Insert a piece of crumpled paper in it in such a way that when the glass is inverted the paper does not fall down.



Invert the glass and dip it in a bucket full of water. Take out the glass in the same position and now touch the paper & see if the paper is dry or soaked in water.

Let's understand this with another experiment-

Put the inverted glass in a bucket filled with water. Observe the glass. It must not turn up. Now straighten the glass slowly in the bucket what happens?

1. What comes out of the glass?
2. Whose bubbles were coming up from an empty glass.

The air is present every where. What we see as empty is actually not empty. They also contain air.



On the basis of evaluation of three glasses fill in the table below-

S.No.	Glass	How is it
1.	First Glass	
2.	Second Glass	
3.	Third Glass	

Some things like clay, chalk etc. also have air in them. Let's find out.

Put a piece of chalk in a glass full of water. What is coming out of the chalk?





When the chalk is put in water the air comes out of the chalk in the form of bubbles. Now repeat this experiment with a mud cake and a brick.

Look at the pictures and tell what does the air do?



1.....



2.....





3.....

4.....

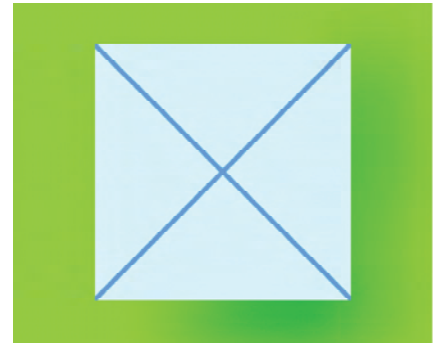
Write the other uses of air apart from all these uses -

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

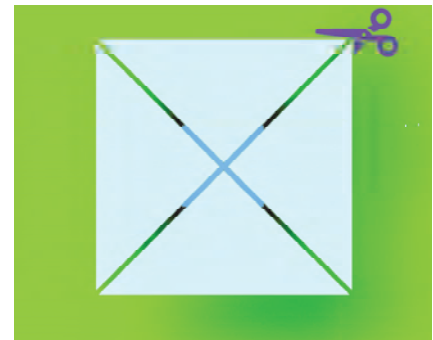


A paper top

1. Take a square page to make a paper fan. Join the two corners of paper facing each other. Fold and mark. Open the paper now.



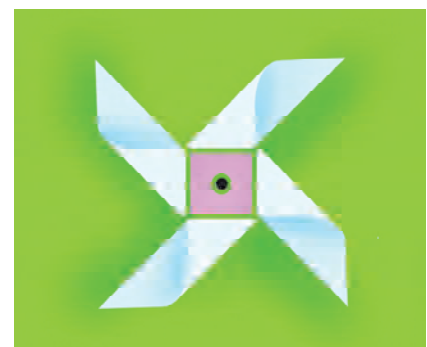
2. Cut each corner with a distance of two fingers from the middle point.



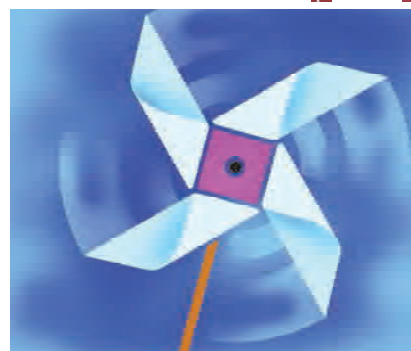
3. After cutting there will be eight corners altogether. Leaving one corner, hold every alternate corner and place it at the centre of the paper.



4. To keep the corners intact put a thick piece of paper on top & bottom and pin with an alpin.



5. Insert the pointed edge of the alpin in a stick and hold the fan in the opposite direction of the breeze. See, is the fan moving?



What have we learnt?



To be taken up orally

1. What do we breathe in?
2. How do we feel air?
3. What is filled in the balloon?



Written task

1. If there is no air what will happen?
 2. How will you know that there is air in an empty vessel?
 3. Fill in the blanks with the words given below-
see, whistle, air
1. Man breathes in _____.
 2. To _____ we use air.
 3. We can't _____ air.



Let's look around

Make a list of things or toys which move or produce sound by air.

