

## Chapter 9

# We Need Air

Air is all around us. All living things need air. We cannot see air but we can feel it when it moves.

### Wind

Fast moving air is called the wind. The wind makes leaves and branches of the trees move. A strong wind can even uproot trees. Fast and strong wind cause a storm.



### PROPERTIES OF AIR

#### Air Occupies Space

Take a balloon.

Air fills up the space inside the balloon. See how it become bigger and bigger. So, we can say that air takes up space.



#### Air has Weight

Take an empty balloon and weigh it, fill the same balloon with air. Air you will see air is heavier than empty balloon, this shows that air has weight.



## Air has many Uses

Air is very useful in our daily life. People, animals and plants need air to breathe.

Air helps boat to sail. It helps gliders to move.



Wind mill



Glider



Sail-boat

Wind moves the blades of a windmill.

Air keeps the fire burning.

Air is needed for lighting a fire and to keep it burning.

Air can be filled into footballs, swimming tubes, cycles and motor vehicle tyres.

### A Glance on Terms

- Wind** : fast blowing air.  
**Occupy** : take up or fill.  
**Storm** : a fast blowing wind.

### Revision Time

- \* We cannot see air but we can feel it.
- \* Moving air is called wind.
- \* Air has weight. It occupies space.
- \* Moving air is called wind.
- \* Air is necessary for burning also.
- \* Air and wind are useful to us.

## ● Skill Test ●

### A. Tick (✓) the correct option:

- All \_\_\_\_\_ things need air.  
 (a) Dead                      (b) Plastic                      (c) Living
- We need air for \_\_\_\_\_.  
 (a) Running                      (b) Breathing                      (c) Dancing
- \_\_\_\_\_ is necessary for burning.  
 (a) Air                      (b) Water                      (c) Fuel
- Fast moving air is called \_\_\_\_\_.  
 (a) Wind                      (b) Storm                      (c) Cyclone

### B. Fill in the blanks with the given words:

feel    force    wind    breathe    air space    weight

- We can \_\_\_\_\_ air.
- Moving air is called \_\_\_\_\_.
- Fire also need \_\_\_\_\_ to burn.
- All living things need air to \_\_\_\_\_.
- Air occupies \_\_\_\_\_, \_\_\_\_\_ and, \_\_\_\_\_.

### C. Match the following:

- |            |                          |
|------------|--------------------------|
| 1. Air     | (a) moving air           |
| 2. wind    | (b) air takes up space   |
| 3. balloon | (c) fast and strong wind |
| 4. storm   | (d) all around us        |



**D. Answer these questions:**

1. Why do we need air ?

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2. What is wind ?

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3. List three ways how air or wind is useful.

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**Hot Question**

Window let in air into your house. How many windows are there in your house? Do you keep these windows open when there is a storm. Why? Why not?

**Creative Corner ●●**

**A. Find the names related to air hidden in this word search. One has been done for you:**

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

**B.** Take a balloon, blow air into it. It increases its size. It is the air that you blow in the balloon that gives shape to the balloon. This shows that air occupies space.