

Weather And Seasons

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Weather changes due to the air around us. Sometimes the air is warm and sometimes it is cold. On some days, the air is dry. At other times, it is moist. Sometimes there is rain or snow. On some days, it is calm. The leaves on the trees hardly move. On the other days, the wind may be very strong. It may blow the leaves of the trees. On some days, clouds may cover the sky. So, we cannot see the sun. Other days may be clear without a cloud in the sky.

All of these changes in the air around us make up weather.



Sunny Day



Cloudy Day



Rainy Day

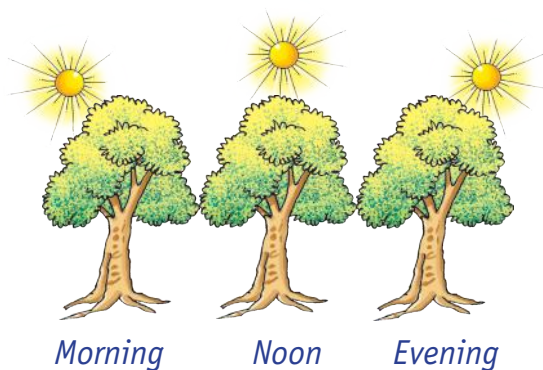


Windy Day

WHAT CAUSES THE DIFFERENT TYPES OF WEATHER ?

The change in weather is caused by the sun, wind, clouds and rain.

The Sun



Morning

Noon

Evening

The Sun plays a big part in the changes of weather. Bright sunny days are hot. It is cooler during morning and evening because the Sun's rays are slanting. At noon, it is hot because the Sun is overhead and the rays fall straight. Nights are cooler than days. During the course of a single day, the weather changes several times. The Sun causes these changes.

Do You Know ?

A room thermometer measures the temperature of a room and a clinical thermometer measures the temperature of the human body.



During the day, air over the land is heated more than air over the water. This hot air rises. The cooler air over the water moves in towards the land. This flow of air is called **wind**. Without the Sun, there might not be any wind at all.

When the Sun heats the water, some water goes into the air, or evaporates. Some of the water that evaporates from clouds. Rain and snow come from the clouds. Without the Sun, there would be no clouds. There would be no rain or snow.



The Wind



When the wind blows softly, it is called **breeze**. Strong winds cause storm and may even uproot trees and lamp posts.

During summer, hot winds called '**loo**' make the weather unpleasant and uncomfortable. During winter, cold winds make the days very cold.

The Clouds

On a cloudy day, the Sun is overcast with clouds and the Sun's rays cannot reach us. Therefore, cloudy day is not very hot, but the cloudy night. This is so because the clouds do not allow the heat of the earth to escape into the atmosphere above. Some clouds bring rain.



The Rain

We all welcome rain after the hot summer days. It brings the temperature down. Farmers welcome rain when it falls at the right time as it is good for the crops. Too much rain can cause floods. Floods cause damage to property and harm living things.

Do You Know ?

Mawsynram (in India) receives the maximum rainfall in the world.

Weather Affects Our Lives in Many Ways

Weather changes affect our lives to a great deal. We change our ways of living to suit a particular weather. We dress, eat and drink to suit changing weather conditions.

SEASON

Summer

In summer, the weather is hot. The days are longer, while the nights are shorter. Sometimes hot winds (loo) blow during day time. We sweat a lot while at work. We feel very thirsty during summer days. We become tired very soon.



During hot weather :

- We wear cotton clothes to keep us cool.
- We avoid working and playing outside in the sun.
- We use electric fans to keep our body cool and feel comfortable.
- We drink more water, cold drinks and fruit juices to bring down the heat.
- We like to go to hill stations to enjoy pleasant weather there.

Rainy Season



We welcome rain after the long and hot summer days. Farmers welcome rain when it falls at the right times as it is good for the crops. Too much and unexpected rain can be harmful. Heavy rains may interrupt communications and cause flooding that destroys property and threatens life. Heavy and unexpected rainfall also damages crops and speeds up the loss of soil.

Rainy season is not very healthy. Rainwater may collect in ponds and puddles where lots of mosquitoes breed. They bite us and cause many diseases.

People in rainy places build houses with sloping roofs. They grow and eat rice.

Winter

In winter, the weather is cold. The days are shorter, while the nights are longer. Sometimes cold wind blow and we like to stay indoors.



During cold weather :

- We like to have hot drinks like tea, coffee and milk, and like to eat nuts.
- We wear woollen clothes.
- We use room heaters.
- We sleep under blankets and quilts at night.

Foggy and stormy weather affects our lives. We like to stay at home and work indoors. It is not safe to travel during a foggy and a stormy weather. Aeroplanes do not fly in such a weather.



Know the Keywords :

Standing : Slope.

Over cast : Covered by clouds.

Interrupt : Break into.



Point to Remember

- Weather changes all the time.
- Weather depends upon the Sun, the wind, the clouds and the rain.
- The Sun and the wind play important roles in causing changes in weather.
- Weather affects our lives in many ways.
- We change our habits and ways of living to suit the particular weather.
- We dress, eat and drink to suit the changing weather conditions.

EXERCISE TIME

A. Multiple choice questions (MCQs).

Tick (✓) the correct option :

1. Weather changes due to the _____ around us.

a. land

b. air

c. water

2. The _____ plays a big part in the changes of weather.
a. moon b. sun c. star
3. _____ receives the maximum rainfall in the world.
a. Shimla b. Kerala c. Mawsynram
4. We welcome rain after the long and _____ summer day.
a. stormy b. cold c. hot
5. _____ affects our lives in many ways.
a. storm b. water c. weather

B. Fill in the blanks :

1. On a _____ day, the sun is bright and the weather it hot.
2. On a _____ day strong winds blow the dust and other things and the trees bend and sway.
3. On a _____ day, the Sun is hidden and the weather is dull.
4. Without the _____ there might not be any wind, there would be no cloud and there would be no rain.
5. It is not safe to travel during _____ and _____ weather.

C. Write 'T' for true and 'F' for false statements :

1. The months of March, April and May are very cold.
2. In hot weather, we wear woollen clothes.
3. The Sun and the wind play important parts in causing changes in weather.
4. Rainy season is not very healthy.
5. Air travel and road travel are pleasant during foggy weather.

D. Match the following :

- | | |
|---------------|--------------------------------|
| 1. Sunny day | a. Winds blow with great force |
| 2. Cloudy day | b. Trees bend and sway |
| 3. Rainy day | c. Day is bright |
| 4. Windy day | d. Day is dull |
| 5. Stormy day | e. Thunder and lightning |

E. Answer the following questions :

1. What factors cause the different kinds of weather ?
2. How does weather affect us ?
3. Why are mornings and evenings comparatively cooler than noon ?
4. Where do rain and snow come from ?
5. How does weather affect our lives ?



Creative Work

- Draw a picture of rainy season and colour it :

- Draw a Local Season summary chart like the one below and fill it with pictures or words describing different things in each group (water, air etc.) during each season.

Season	Water	Air	Land	Plant Life	Animal Life
Spring					
Summer					
Rainy					
Autumn					
Winter					