

# VIDYA BHAWAN BALIKA VIDYAPEETH

## STUDY MATERIAL SCIENCE

### CLASS-VII

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## ▶ Weather, climate & Adaptations of animals

### Elements of Weather

The temperature, humidity, rainfall, wind speed and other factors are called the elements of the weather which are described below :

#### 1. Temperature

The weather is mainly affected by the sun that produces heat and raise the temperature. The sun provides light as well as heat on the earth. It is necessary for the production of energy. The < heat from the sun is absorbed by the earth's surface, oceans and atmosphere which plays an important role in determining the weather of any place.

Therefore, it is clear that change in weather is caused due to the sun because the changes occurring in the sun's heat will change the atmosphere more frequently. The time of sunrise and sunset also changes throughout the year

#### 2. Rainfall

The amount of water droplets that fall back on the earth after condensation of water vapours is called rainfall. When the temperature is too low, these droplets in the cloud get freezed into crystals of ice and comes on the earth as snowfall. During winters, the temperature falls after sunset causing condensation of water vapours near the ground. These droplets hang in the air to form fog.