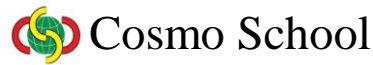


Prepared by  
Lamyea Alam  
Assistant Teacher  
Class-4, Subject- Science  
Chapter-10, Lecture-4  
Class date- 04/11/2020



## Weather and Climate

### **Climate**

Weather may change every day but there is a usual weather pattern We call this usual weather pattern as our climate.

#### **Definition of climate:**

Climate is the average weather condition on an area for many years.

Example:

The annual average temperature of Dhaka in Bangladesh is 26 ° Celsius. In general, the climate of Bangladesh is classified as hot and humid climate. Russia is situated to the farthest north of Bangladesh. This country is extremely cold in the most of the time of the year. The annual average temperature of Moscow in Russia is 6 ° Celsius. The climate of Russia is classified as cold climate.

Climate in particular area depends mainly on area's latitude, its altitude and distance from the sea.

#### **Definition of latitude altitude:**

The latitude is the distance from the equator.

Altitude is the vertical elevation of an object above as sea level or land.

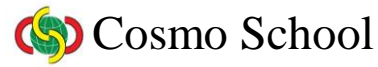
#### **How Climate depends on latitude distance?**

Near the equator, the North pole Sun's rays shine straight down. The Sun warms the surface of the Earth most strongly at or near Sunlight equator. As a result, place near the equator become the warmest places. As the surface of the Earth is curved, places further away from the equator are warmed much less strongly by the Sun, and so they are colder. The higher the latitude, the colder the climate is.

### **Climate of Bangladesh**

In Bangladesh, there are six seasons such as Summer, the Rainy season, early Autumn, late Autumn. Winter and Spring, In Bangladesh Summer consists of Baishakh and Joystha and it is the warmest season of the year. The Rainy season consists of Ashar and Shraban and it comes with heavy rainfall. Eearly Autumn consist of Vadra and Ashwin. White and fluffy clouds are seen in the sky in this season. Kartik and Agrahaon are the late Autumn. This is the season of harvest. Pous and Magh are Winter when we usually feel cold in Bangladesh. Then gradually the cold is relieved and the weather is getting warmer in Spring months, Falgun and Chaitra. This is the usual pattern of Bangladesh's climate.

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Seasonal pattern in Bangladesh is different from other countries in the northern hemisphere. In other countries, there is only four seasons summer, autumn, winter and spring mean June to august, September to November, December to February and march to May.

#### Worksheet-4

Answer the following broad questions:

1. What is climate? Describe the climate of Bangladesh.
2. What is latitude? How climate depends on latitude distance?