

## Difference between Weather and climate

### Weather

- Weather refers to the sum total of the atmospheric conditions in terms of pressure, temperature, wind, rainfall and visibility of a particular place at any given time.
- Weather denotes short term variations.
- It is experienced over small areas of a country.
- A place can experience different types of weather conditions in a year.
- Weather is influenced by any one of its predominant elements i.e. temperature or humidity.
- It is never static and thus cannot be generalized.

### Climate

- Climate is defined as the aggregate of weather conditions over a long period of time.
- Climate denotes long term variations.
- It is experienced over large area of the continent.
- A place can experience only one type of climate.
- Climate is the collective effect of all its elements.
- It is static and thus can be generalized.

- Weather helps us to deal with the specific events.
- The climate classifications have utility in guarding land use planning and population growths as well as describing the natural environment.
- Weather exchanges the difference of distribution of energy through atmospheric circulation, humidity and precipitation.
- Climate explain the process of change of energy between the earth and atmosphere over a long period of time.
- Weather cannot explain climate.
- Climate explain weather.
- We don't hear people saying that the climate of the day is warm or cold, but we do talk of warm weather, a cold morning, a sunny afternoon, a rainy day or a chilly night.
- Climate is expressed in terms of humid climate, moderate climate, monsoon climate etc.