

Weather, Climate and Adaptations of Animals to Climate

Chapter-7

LEARNING OBJECTIVES

1. *Introduction*

2. *Weather and Climate*

Introduction-

Weather influences our lives in different ways. During summer, we switch on fans to keep ourselves cool, we use light coloured clothes in order to reflect the heat.

During winter, we use dark colour clothes and wrap ourselves in warm clothes to protect us from cold environment. Similarly, during the rainy season, we use umbrella or raincoat as it may rain anytime.

The weather of a place changes day after day and week after week. It is a complex phenomenon that may vary over very short periods of time (like hour to hour).

Therefore, our daily activities are planned according to the weather predicted for a particular day. The daily report of weather is provided on television, radio and even in newspaper.

Weather And Climate-

- **Weather report carries information about the temperature, humidity and rainfall during past 24 hours.**
- **Humidity is the measure of the moisture in air.**

- **Weather reports are prepared by Meteorological Department of the Government. It collects data on temperature, wind, etc. and predicts the weather.**
- **Rainfall is measured by rain gauge.**
- **Temperature, humidity and other factors which affect weather are called the elements of the weather.**

- **Weather of a place keeps on changing.**
- **Temperature is measured by thermometers.**
- **Maximum temperature of the day occurs generally in the afternoon and minimum temperature occurs generally in the early morning.**
- **The average weather pattern taken over a long time is called climate of the place.**

PLENARY-

Q. A fish dies when taken out of water, whereas a wall lizard will die if kept under water. Mention the term used to describe such abilities that allow fish and lizard to survive in their respective habitats.

A. Adaptation is the term used to describe such ability. Animals are adapted to survive in the conditions in which they live. So, fish dies when taken out of water while wall lizard dies if kept under water.

ASSESSMENT / EVALUATION -

Q. Which is the most important factor in determining the climate of a place?

A. The major factor which determines the climate of a place is latitude.