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STUDY NOTES

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CLASS- VII (All Section)

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SCIENCE

LESSON-07

CHAPTER: Weather, Climate and Animal Adaptation

Today's Topic: Revision Time

- * Weather is what the atmosphere is like, with respect to the temperature, humidity, rainfall, wind-speed, in any one place at any one time.
- * Even at one place, the weather does not remain the same throughout the day: it keeps changing all day.
- * The various parameters, such as temperature, humidity, air pressure, which meteorologist use to forecast weather, are called elements of weather.
- * It is the sun that drives the earth's weather engine; the sun's heat creates winds, clouds, cyclones and other weather phenomena.
- * Generally, the highest temperature of the day occurs in the afternoon while the lowest temperature occurs early in the morning.
- * The time of sunrise and sunset at a place depends not only on the month of year or the season but also on the latitude of the place.
- * Climate is broadly the long-term weather of an area, taken over a period of at least 30 years.

- * The latitude or the distance from the equator plays an important role in deciding the climate of a place. The climate also depends on several geographical features such as height above sea level, nearness to the sea or large water bodies and the extent of vegetation cover.
- * Animals living in different climatic regions have developed features and habits that suit the surroundings they live in.
- * The polar regions remain extremely cold and covered with ice throughout the year, with temperatures dropping to as low as -37 C in winter.
- * Migratory birds fly thousands of kilometres to escape from the extreme cold in their home territory.
- * Tropical rainforests are very dense, warm, wet forests that are mostly found in the earth's tropical regions.
- * During hot summers, the temperature often rises above 40°C. These regions get plenty of rainfall and the humidity level always remains high.
- * Rainforests are tremendously rich in animal life. They include microscopic animals, invertebrates (insects and worms), fish, reptiles, amphibians, birds and mammals.
- * Many animals that live in tropical rainforests have sensitive hearing, sharp eyesight and natural covering that helps them blend in with their surroundings.

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