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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: Climate and adaptation

Climate and adaptation:

Unlike humans, animals cannot protect themselves from heat or cold by using air conditioners or woollen garments. But, nature has a provision for protecting animals by giving them the ability to adapt to the environments they live in. Of course, adaptation takes many generations and millions of years to happen.

Animals living in different climatic regions have developed special features and habits that suit the surroundings they live in. Two common examples are animals living in the cold polar regions and those living in hot and humid tropical rainforests.

Polar regions:

The polar regions are the areas around the two poles of the earth where the sun is visible for only about six months of the year. Even when the sun is visible, it shines very weakly. As a result, the polar regions remain extremely cold and covered with ice throughout the

year, with temperatures dropping to as low as -37°C in winter. The animals living under such cold conditions usually have a thick and fur to protect their bodies from the severe polar winter.

Alaska in the United States, Canada, Finland, Greenland, Iceland, Norway, Sweden and the Siberian region of Russia are situated in the polar regions .

Adaptation: adjustment to environmental conditions

Polar region: the part of earth's surface around the poles, characterised by icy climate.

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