

Chapter 7: Weather, climate and adaptations of animals to climate

HOTS

1. Why is it difficult to predict the weather of a place while it is easy to predict its climate?
2. There are two animals X and Y. The animal X has brown coloured body and has long eye lashes to protect the eyes from storms while animal Y has pillar like legs to balance their body weight.
 - (a) Name the animals X and Y.
 - (b) Write two other adaptive features of these animals.
 - (c) Where do these animals live?
 - (d) Whether these animals are carnivore or herbivore?
3. Observe the given figure and answer the following.



- (a) Name the bird shown in figure.
- (b) How do the adaptive features of toucan help in its survival on trees?
- (c) These birds live in which region?
- 4. A polar bear has to move slowly, otherwise its body will get overheated. Why?
- 5. Name one animal that lives on trees in rainforests and rarely comes down. How does it get its food?
- 6. When do you expect wet clothes to dry faster-in dry weather or in humid weather? Why?
- 7. Why do we feel so miserable in the summer Afternoon and comparatively comfortable in the early morning?

CASE STUDY

1. Last month Ria went to Rajasthan with her family to spend her summer holidays. She saw an animal had a hump on its back. She found that this animal can move and run easily on sand in the desert.

- a) Name the animal Ria observed in the desert of Rajasthan.
- b) What role does this hump have in this animal?
- c) What special feature does this animal have to run on the sand?
- d) Write two more adaptive features which help this animal to survive in the desert.

2. Mahesh has collected data from the internet about the weather, climate and adaptations of a place. The data shows the temperature remains below 0°C during most part of the year. For 6 months, the sun does not set at the poles while for the other six months, the sun does not rise.

- a) The above data is characteristic of which of the following places?
 - i) India ii) Pakistan
 - iii) Siberian region of Russia
- b) Give two examples of animals found in this region.
- c) A special kind of bird is found in this region, which huddles together in large groups. Name this bird. Why do these birds huddle together?
- d) Some birds are migrating during winter season from these areas.
What is meant by migration?
Why do some birds migrate?

3. A student studied an animal and made the following observations.

- i) living on trees
- ii) long, flexible tails to hold branches
- iii) using hands and feet to grasp the tree branches.
- a) Which of the following title best suits the above animals?
 - i) Terrestrial ii) aquatic
 - iii) amphibian iv) arboreal

b) Name this animal.

c) Are these animals carnivores, herbivores or omnivores?