

8A

Subject - science

class - 7th

Chapter - 7th

weather, climate and adaptations of animal

(NOTE BOOK) to Climate

1) Name the elements that determine the weather of a place.

Ans → Temperature, humidity, rainfall and wind are the elements that determine the weather of a place.

2) when [^] the maximum and minimum temperature are likely to occur during the day?

Ans → Maximum temperature occurs during day time, afternoon to be precise whereas minimum temperature occurs early in the morning.

3) Fill in the blanks.

① The average weather taken over a long time is called climate.

ii) A place receives very little rainfall and the temperature is high throughout the year the climate of that place will be hot and dry

iii) The two region of the earth with extreme climatic conditions are polar region and tropical region

4) Indicate the type of climate of the following area.

1) Jammu and Kashmir → moderately hot and wet

2) Kerala → hot and wet

3) Rajasthan → hot and dry

4) North-east India → wet

5) which of the two changes frequently, weather or climate.

Ans → weather change frequently.

6) Following are some of the characteristics of animal.

(3)

For each characteristic indicate whether it is adaptation for tropical rainforests or polar region. Do you think that some of these characteristics can be adapted for both regions.

- 1) Diet heavy on fruits → Tropical rain forests
- 2) white fur → polar regions
- 3) Need to migrate → polar regions
- 4) Loud voice → Tropical rain forests
- 5) sticky pads on feet → ~~polar regions~~
Tropical rain forests.
- 6) Layer of fat under skin → polar region
- 7) wide and large paws → polar regions
- 8) Bright colours → Tropical rain forests
- 9) strong tails → Tropical rain forests
- 10) Long and large beak → Tropical rain forests.

(4)

7) The tropical rainforest has a large population of animal. Explain why it is so?

Ans → The tropical rainforest has a large population of animals because of continuous warmth and rain the region wide variety of plants and animals. The major types of animal living in the rainforest are - monkey, tigers, elephant, snakes, lizard, birds.

The climatic condition in Rainforests are highly suitable for supporting the variety of animal.

8) Explain, with examples, why we find animals of certain kind living in particular climatic condition.

Ans → Animal are adapted to survive in the conditions in which they live. Animals living in very cold and hot climate must possess special features to protect themselves against the extreme cold or heat. Habits that help animal to adapt to their surrounding are a result of the process.

- ① polar region → Animal living these are polar bear and penguins.
- 2) The Tropical Rainforest → Animal living in the rainforest are monkey, lizard, tigers, gawillas, elephant, snakes, birds, insects. etc.

(5)

9) How do elephants living in the tropical rainforest adapt itself?

Ans → Following are the adaptations of elephants in rainforests.

- 1) It uses the trunk as nose to have strong sense of smell.
- 2) The trunk is also used to pick food.
- 3) It has modified teeth tear the bark of trees which are food for elephants.
- 4) Large ears of the elephants help it to hear even soft sound.
- 5) Ears help the elephant to keep cool in the hot and humid climate of the rainforest.

Choose the correct option which answers the following question:

10) A carnivore with stripes on its body moves very fast while catching its prey. It is likely to be found in.

Ans → (tropical rainforests)

11) which features 'adapt polar bears to live in extremely cold climates.

Ans → A white fur, fat below skin, keep sense of smell.

12) which option best describes a tropical region.

Ans → (hot and humid)

(NOTE BOOK)

(Additional question)

1) what is weather?

Ans → The day to day conditions of a atmosphere at a place with respect to the temperatures, humidity, rainfall, and speed etc is called weather at a place.

2) why weather change so frequently.

Ans → Because factors affecting weather like temperature, humidity, rainfall and wind speed vary easily.

3) what is the cause by which weather changes?

Ans → All the changes in the weather are caused due to sun.

4) write the equipments that can measure all the elements of weather.

Ans → Element of weather

1) Temperature

2) Humidity

3) Rainfall

4) wind-speed

Equipment

1) Thermometer

2) Hygrometer

3) Rain guage.

4) Anemometer

5) what do you understand by tropical rainforest.

Ans → The area of earth near equator is called tropical rainforest region here the climate is hot and humid because of the presence of plants and animals in large numbers.

6) Explain migration.

Ans → The process in which a bird or other animal move from one place in one season and return again in a different season is called migration.

7) What is climate? write its types?

Ans → The average weather pattern at a place take over a long period of time (say 25 year) is called climate of the place.

There are four types of climate in the world.

- 1) polar climate → polar climate is always extremely cold. The air contain very little water vapour. Thus the polar climate is cold and dry.
- 2) Temperate climate → A climate which is neither very hot in summer nor very cold in winters, is called temperate climate.
- 3) Tropical climate → climate is very high temperature and very high humidity is called tropical climate. It is very high and humid.
- 4) Desert climate → Desert climate is very hot during the day. There is little rain. Thus, desert-climate is very hot and dry.