

Weather and Climate

class - V

A. Correct Answer.

1. a) Meteorologists
2. b) Longitude
3. a) Tropic of Cancer and Tropic of Capricorn.
4. b) Equable climate
5. a) Sea breeze blows during the day.

B. Match the followings.

1. a) Very hot
2. b) Neither very hot nor very cold.
3. c) Very cold
4. d) Night
5. a) Day.

C. True/False.

1. True
2. ~~false~~ True,
3. True
4. True
5. True
6. True
7. False

D. Fill in the blanks.

1. Places near the equator are hotter than the places far from the equator.
2. Cold winds bring the temperature down.
3. The Torrid Zone has hot and humid climate.
4. Frigid zone lies between Arctic circle and the North Pole and between Antarctic circle and the South Pole.

Q.1. What is the difference between weather and climate?

→ The differences between weather and climate-

Climate

- ▷ It is the average weather condition over a long period of time.
- ⇒ Different places experience different climate.
- ⇒ Climate can be described as often as ice, snow etc.

Weather

- ▷ Weather may not remain constant for even a single day.
- ⇒ Weather can be described as Sunny, Warm, cloudy etc.
- ⇒ It is the condition of atmosphere at a given time and place.

2. Mention the factors which influence the weather of a place.

→ The factors that influence the weather of a place are:

- ▷ Temperature of air.
- ⇒ Precipitation
- ⇒ Wind
- ⇒ Atmospheric Pressure.
- ⇒ cloudiness
- ⇒ Humidity

4. How does the climate of a region affect the lifestyle of the people?

→ The climate of a region affect the lifestyle of a place people in various ways -

▷ The hot and dry climate in some region can affect the people in their diet and supplements.

⇒ Likewise, snow and ice covered regions can affect in people's clothing, culture etc.

4. How does the distance from the Equator influence the climate of a place?

→ The distance of the equator can affect the climate of place because -

▷ Places near the equator are hotter than places far from the equator.

i) ▷ The Sun rays falls vertically over the equator and spread over a small area.

ii) ▷ In the polar region the Sun rays slants and spread a larger area. Therefore, receives less heat and are cooler.

5. Why is Shimla cooler than Ludhiana?

- Shimla is cooler than Ludhiana because -

▷ Temperature falls with the height gained in the mountain regions.

i) ▷ It is cold in mountains due to high altitude.

ii) ▷ In spite of same distance from the equator Shimla is cooler because it is situated in the high mountain and Ludhiana is situated in the lower altitude.

6. How do winds influence the climate of a place?

→ The winds influence the climate of a place in various ways -

▷ It effect by blowing differently at a place.

i) ▷ Winds coming from the hot areas increase the temperature of a place.

ii) ▷ Winds coming from the cold areas lower the temperature of a place.

7. Name the three heat zones of the Earth.

→ The three heat zones are -

i) The Torrid zone.

ii) The temperate zone

iii) Frigid zone.

8. Differentiate between solar eclipse and lunar eclipse.

→ Solar Eclipse

i) In this eclipse the Sun disappears from the sky.

ii) When the moon shadow of moon cast on earth, it covers the sun light.

iii) The solar eclipse is visible only from earth.

Lunar Eclipse

i) In this eclipse the moon disappears in the dark.

ii) As the moon does not shine by its own light, it stops appearing when the sun light cuts off.

iii) It can last long as 3 hours and 40 minutes.