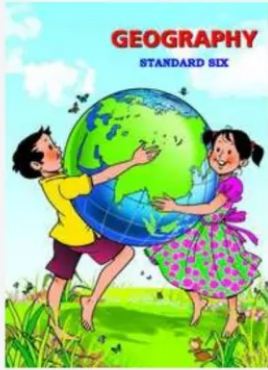


Maharashtra Board Solutions Class

6-Geography: Chapter 4- Weather and Climate

BOOK SOLUTIONS
CLASS 6
GEOGRAPHY

CHAPTER 4
Weather and Climate



Maharashtra Board Solutions→

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Maharashtra Board Solutions Class

6-Geography: Chapter 4- Weather and Climate

Class 6: Geography Chapter 4 solutions. Complete Class 6 Geography Chapter 4 Notes.

Maharashtra Board Solutions Class 6-Geography: Chapter 4- Weather and Climate

Maharashtra Board 6th Geography Chapter 4, Class 6 Geography Chapter 4 solutions

Questions and Answers

A. Who am I?

Question 1.

I keep on changing.

Answer:

Weather.

Question 2.

I am not the same in all places.

Answer:

Climate.

Question 3.

I am the solid state of water droplets.

Answer:

Snow.

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Question 4.

I am present in the atmosphere in the form of vapour.

Answer:

Moisture.

B. Answer the following:

Question 1.

Why is the climate of Mahabaleshwar cool ?

Answer:

The climate of Mahabaleshwar is cool because it is situated at a high elevation. So, as we move upward from sea-level, the temperature of air decreases.

Question 2.

Why is the climate near the sea humid?

Answer:

The climate near the sea is humid because it contains greater amount of vapour mixed in the air.

Question 3.

What is the difference between weather and climate?

Answer:

Weather	Climate
(i) Weather is described on the basis of the conditions prevailing at the given time.	(i) Climate is described on the basis of conditions prevailing over a longer period of time.

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(ii) Weather keeps changing frequently and we can experience the change easily.

(ii) Change in the climate takes place over a long ! period of time. These are not perceived easily.

Question 4.

What are the elements of weather?

Answer:

The elements of weather are:

- Temperature
- Air pressure
- Winds
- Moisture and
- Precipitation.

Question 5.

What effects do nearness to the sea and height above mean sea level have on the climate?

Answer:

Nearness to the sea leads to a humid climate whereas height above mean sea level will lead to a cool climate.

C. For the climatic conditions mentioned in the table, name the representative places known to you. (Use an atlas.)

	Death valley
Hot	

Hot and humid

Cold

Hot and dry

Cold and dry

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Answer:

	Death valley
Hot	
Hot and humid	Amazon
Cold	Greenland
Hot and dry	Sahara desert
Cold and dry	Atacama desert

D. Complete the following table

Weather	Climate
Short-lived condition of the atmosphere	Does not change quickly
Expressed with respect to a specific place	Elements of climate: Temperature, pressure, winds, humidity and precipitation

Answer:

Weather	Climate
Short-lived condition of the atmosphere	Long-lived condition of the atmosphere
Keeps changing	Does not change quickly

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Expressed with respect to a specific place

Elements of weather: Temperature, pressure, winds, humidity and precipitation

Expressed with respect to a specific region

Elements of climate: Temperature, pressure, winds, humidity and precipitation

Activity:

Understand the climate of your place with the help of your teacher.

Questions and Answers

Can you tell?

A. The weather conditions of a few places in India are as follows on 10th June. Use the table to answer the questions.

S. No.	Place	State	Time	Weather
(1)	Kochi	Kerala	12.30 pm	Cloudy
(2)	Bhopal	M.P.	12.30 pm	Hot and sunny
(3)	Mussoorie	Uttarakhand	12.30 pm	Cold weather mild sun

Question 1.

In which place will the clothes on a clothesline dry quickly? Why?

Answer:

In Bhopal the clothes on the clothesline will dry quickly. Due to the hot sun the water in the wet clothes get converted into vapour quickly.

Question 2.

In which place will they dry slowly? Why?

Answer:

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Clothes will take longer time to dry in Mussoorie because of the medium heat and cold air.

Question 3.

Will the atmospheric conditions at these places always remain the same or will they change?

Answer:

The atmospheric conditions of these places will change from time to time.

B. Which of the following statements are applicable to the conditions that you have experienced today or yesterday at the place where you live?

- It was cold in the morning.
- In the afternoon it become hot and humid.
- It rained suddenly in the afternoon.
- Cool breeze was blowing in the morning.
- Clouds gathered in the evening.
- The night sky was full of stars and a pleasant breeze was blowing.

Answer:

Students have to give answer to this question depending on the weather condition of one particular day where they live.

C. Since childhood you have experienced summers, rainy seasons and winters. On the basis of your experience answer the following questions.

Question 1.

In which months do summer, monsoon season and winter occur in a year from January to December? Show it in a chart.

Answer:

	Rainy season	Winter
Summer		
February to May	June to September	October to January

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Question 2.

Which special clothes do we use if it is raining?

Answer:

If it is raining, we wear a raincoat or carry an umbrella.

Question 3.

When do we use woollen clothes?

Answer:

We wear woollen clothes in winter.

Question 4.

In which season do we mainly use thin cotton clothes?

Answer:

We wear cotton clothes in summer.

Use your brain power!

Question 1.

Which occupation will you practice in cold regions?

Answer:

Occupations practiced in cold region are lumbering and agriculture.

Question 2.

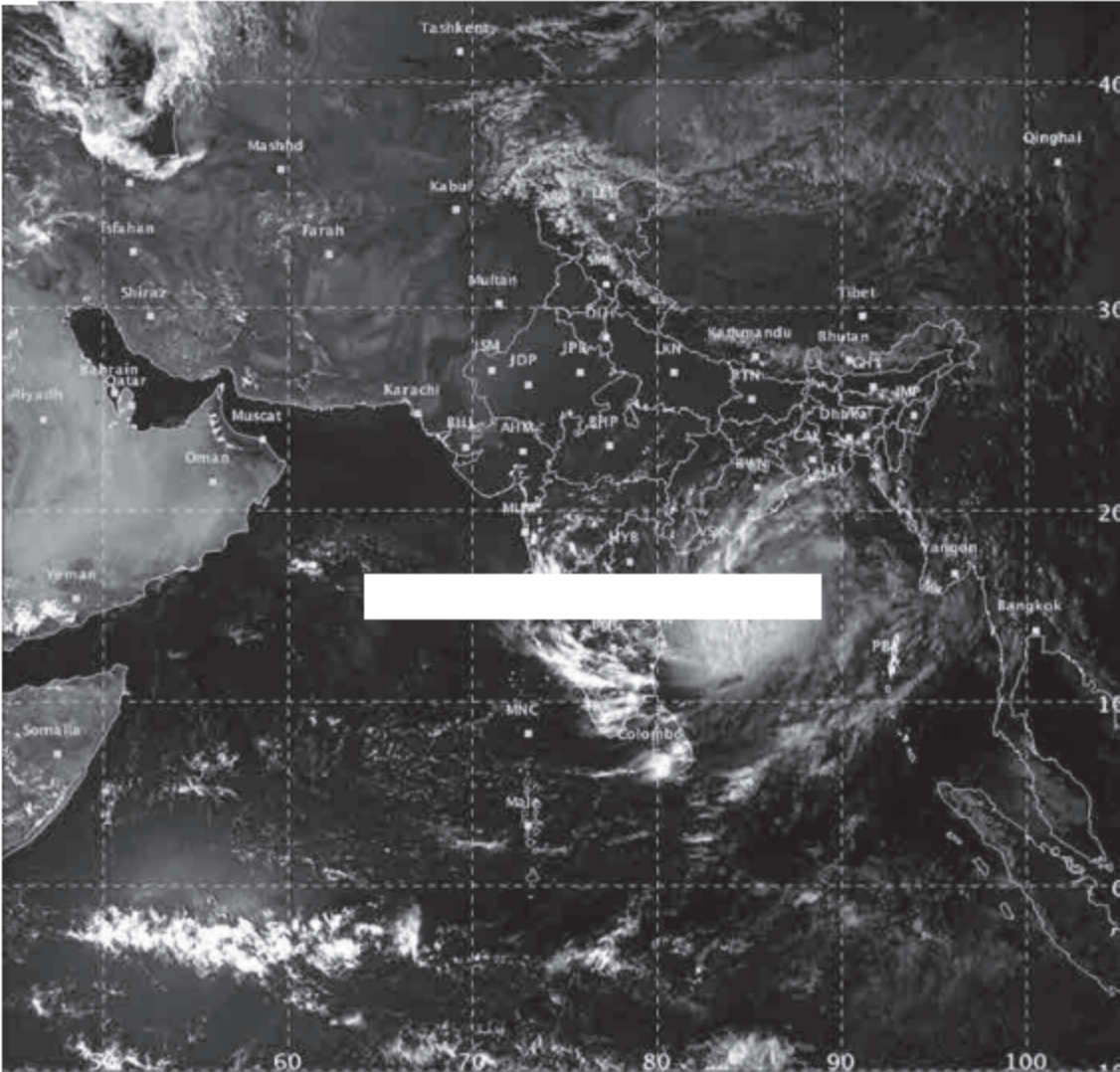
Which occupations will you practice in hot region?

Answer:

Occupations practiced in hot regions are animal husbandry and agriculture.

Observe the following map and write the answer to the question given below it.

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Question 1.

An Indian Meteorological Department image of the storm that visited in November 2014 was shown. Tell in which sea the storm was located.

Answer:

Bay of Bengal.

Additional Important Questions and Answers

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Fill in the blanks with the right option in the brackets:

Question 1.

Atmospheric conditions prevailing at a place and at a given time is called _____. (wind, weather, climate)

Answer:

weather

Question 2.

The temperature goes on _____ from the equator towards both the poles. (decreasing, increasing, being constant)

Answer:

decreasing

Question 3.

The horizontal movement of air is called _____. (pressure, humidity, wind)

Answer:

wind

Question 4.

_____ is defined by elements such as temperature, wind and humidity. (precipitation, weather, climate)

Answer:

weather

Question 5.

The air that has greater amount of vapour is called _____ air. (dry, hot, humid)

Answer:

humid

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Question 6.

The humidity in the atmosphere is called _____. (moisture, oxygen, heat)

Answer:

moisture

Question 7.

The proportion of moisture in the atmosphere depends on _____. (winds, temperature, air pressure)

Answer:

temperature

Question 8.

Vapour in the atmosphere condenses into water droplets or snow and their showering on the earth is called _____. (precipitation, wind, climate)

Answer:

precipitation

Match the pairs correctly:

Question 1.

A

B

(1) Winds

(a) hailstorm

(2) Moisture

(b) solar energy

(3) Precipitation

(c) the difference in air pressure

(4) Temperature

(d) vapor

(5) Weather

(e) hot, cool, dry, sultry

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(f) humidity

Answer:

1 – c

2 – d

3 – a

4 – b

5 – e

Name the following statements:

Question 1.

Elements of weather:

Answer:

Temperature, pressure, winds, humidity and precipitation.

Question 2.

Forms of precipitation:

Answer:

Rainfall, snowfall and hailstorm.

Question 3.

Climate is generally expressed as:

Answer:

‘Cool and dry’ or ‘hot and humid’ or ‘hot and dry’, etc.

Question 4.

Factors influencing climate:

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Answer:

Latitudinal position, height above sea level, nearness to ocean and oceanic currents.

Answer the following questions in one sentence:

Question 1.

What is precipitation?

Answer:

Vapour in the atmosphere condenses into water droplets or snow particles, which shower on the earth. This is called as precipitation.

Question 2.

What is called air pressure?

Answer:

Air has weight and as a result it creates pressure. This is called air pressure.

Question 3.

What is wind?

Answer:

Air moving from high pressure towards low pressure areas in a horizontal direction is called wind.

Question 4.

What is called humid air?

Answer:

The atmosphere contains vapour. The air that has greater amount of vapour is called humid air.

Give geographical reasons for the following statements:

Question 1.

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As we move upward from the sea-level, temperature of the air decreases.

Answer:

- The earth's surface gets heat from the Sun.
- Thus, the surface gets heated.
- The air close to the earth surface starts becoming hot.
- Later, different layers of air at higher elevation receive heat.
- Therefore, as we move upward from sea-level, the temperature of air decreases.

Question 2.

Air pressure decreases with increasing height.

Answer:

- The lowermost layers of air are subjected to the pressure of the upper layers.
- So, the density of the lower layers of air increases.
- There is greater air pressure near the surface of the earth.
- Therefore, air pressure decreases with increasing height.

Answer the following questions:

Question 1.

What is known as precipitation?

Answer:

Vapour in the atmosphere condenses into water droplets or snow particles. Their showering on the earth is called precipitation.

Question 2.

What is called moisture?

Answer:

The humidity in the atmosphere is called moisture. The proportion of moisture in the atmosphere depends on the temperature. Air with higher temperature holds a greater amount of moisture.

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Class 6 Geography

- Chapter 1- The Earth and the Graticule
- Chapter 2- Let us Use the Graticule
- Chapter 3- Comparing a Globe and a Map; Field Visits
- Chapter 4- Weather and Climate
- Chapter 5- Temperature
- Chapter 6- Importance of Oceans
- Chapter 7- Rocks and Rock Types
- Chapter 8- Natural Resources
- Chapter 9- Energy Resources
- Chapter 10- Human Occupations

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The Maharashtra State Board of Secondary and Higher Secondary Education or MSBSHSE (Marathi: महाराष्ट्र राज्य माध्यमिक आणि उच्च माध्यमिक शिक्षण मंडळ), is an **autonomous and statutory body established in 1965**. The board was amended in the year 1977 under the provisions of the Maharashtra Act No. 41 of 1965.

The Maharashtra State Board of Secondary & Higher Secondary Education (MSBSHSE), Pune is an independent body of the Maharashtra Government. There are more than 1.4 million students that appear in the examination every year. The Maha State Board conducts the board examination twice a year. This board conducts the examination for SSC and HSC.

The Maharashtra government established the Maharashtra State Bureau of Textbook Production and Curriculum Research, also commonly referred to as Ebalbharati, in 1967 to take up the responsibility of providing quality textbooks to students from all classes studying under the Maharashtra State Board. MSBHSE prepares and updates the curriculum to provide holistic development for students. It is designed to tackle the difficulty in understanding the concepts with simple language with simple illustrations. Every year around 10 lakh students are enrolled in schools that are affiliated with the Maharashtra State Board.

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FAQs

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As of now, the MSCERT and Balbharti are responsible for the syllabus and textbooks of Classes 1 to 8, while Classes 9 and 10 are under the Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE).

How many state boards are there in Maharashtra?

The Maharashtra State Board of Secondary & Higher Secondary Education, conducts the HSC and SSC Examinations in the state of Maharashtra through its nine Divisional Boards located at Pune, Mumbai, Aurangabad, Nasik, Kolhapur, Amravati, Latur, Nagpur and Ratnagiri.

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