

Chapter-2 | Understanding  
the Weather

## Worksheet-1

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## Multiple Choice Questions

- Weather refers to the condition of the Earth's atmosphere at a:**
  - Particular time and place
  - Fixed season every year
  - Very long period
  - Global level only
- The layer of the atmosphere where most weather phenomena occur is the:**
  - Stratosphere
  - Troposphere
  - Mesosphere
  - Exosphere
- Which of the following is an element of weather?**
  - Soil type
  - Humidity
  - Latitude
  - Vegetation
- Precipitation includes all forms of water that:**
  - Evaporate from land
  - Flow in rivers
  - Remain frozen permanently
  - Fall from the sky
- Temperature tells us how \_\_\_\_\_ the atmosphere is.**
  - Windy or calm
  - Hot or cold
  - Humid or dry
  - Cloudy or clear
- Rainfall is measured using an instrument called a:**
  - Thermometer
  - Rain gauge
  - Barometer
  - Hygrometer
- Atmospheric pressure is highest at:**
  - Mountain tops
  - Sea level
  - Forest regions
  - Desert areas
- Wind always moves from areas of:**
  - Low pressure to high pressure
  - East to west
  - High pressure to low pressure
  - North to south
- Which instrument measures wind speed and direction?**
  - Wind vane and anemometer
  - Hygrometer
  - Rain gauge
  - Barometer

**10. Relative humidity is measured in:**

- (a) Degrees Celsius
- (b) Millimetres
- (c) Kilometres per hour
- (d) Percentage

**Fill in the blanks :**

- 11. The amount of water vapour present in the air is called \_\_\_\_\_.
- 12. The instrument used to measure atmospheric pressure is a \_\_\_\_\_.

**True / False**

- 13. Weather can change from hour to hour.
- 14. Humidity is measured using a rain gauge.

**Very Short Type Questions**

- 15. What is weather?
- 16. Name any one element of weather.

**Short Type Questions**

- 17. Why is it important to measure weather accurately?
- 18. Explain how rainfall is measured using a rain gauge.

**Essay Type Questions**

- 19. Describe the main elements of weather and explain any three of them.
- 20. Explain the importance of weather forecasting in daily life with suitable examples.

**HOTS**

- 21. **Assertion (A):** Weather predictions help reduce damage caused by natural disasters.  
**Reason (R):** Advance weather warnings allow people and governments to prepare for events like cyclones, floods, and heat waves.  
Choose the correct option:
  - a) Both A and R are true, and R is the correct explanation of A
  - b) Both A and R are true, but R is not the correct explanation of A
  - c) A is true, but R is false
  - d) A is false, but R is true



1. (a) Particular time and place
2. (b) Troposphere
3. (c) Humidity
4. (d) Fall from the sky
5. (c) Hot or cold
6. (c) Rain gauge
7. (b) Sea level
8. (c) High pressure to low pressure
9. (a) Wind vane and anemometer
10. (d) Percentage
11. Humidity
12. Barometer
13. True
14. False
15. Weather is the condition of the Earth's atmosphere at a particular time and place.
16. Temperature / Rainfall / Wind / Humidity (any one)
17. Measuring weather accurately helps us plan daily activities and stay safe. It also helps farmers, pilots, sailors, and governments prepare for extreme weather events.
18. Rainfall is measured using a rain gauge. Rainwater falls into a funnel and collects in a measuring cylinder. The height of collected water shows the amount of rainfall received.
19. The main elements of weather are temperature, precipitation, atmospheric pressure, wind, and humidity. Temperature tells how hot or cold the air is. Precipitation includes rain, snow, sleet, or hail. Wind shows the movement of air and affects rainfall and temperature.
20. Weather forecasting helps people prepare for storms, floods, droughts, and heat waves. Fishermen are warned before storms, farmers plan crops, and governments evacuate people when cyclones are expected.
21. **Correct option: (a)**  
**Explanation:** Both the assertion and the reason are true. Weather forecasts give advance warnings, which help reduce loss of life and property by allowing timely preparation.

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