

SCIENCE

ACTIVITY-7

WEATHER, CLIMATE AND ADAPTATIONS OF ANIMALS TO CLIMATE

Class: VII

Duration-30 minutes

Nature of activity: Individual

Learning Outcome: Students will be able to deduce that the various elements of weather are temperature, humidity, rainfall and the weather condition changes from day to day and hour to hour.

What we have to do?

To plot a graph of daily changes in temperature.

What do we require?

A centimetre graph sheet, temperature data from your local newspaper for at least ten days, and red and blue pencils.

What do I need to know?

We can plot a graph on a graph sheet with some given data and join them to show their variations.

Teacher's Activity: Teacher will arrange the materials for the individual and give instructions regarding the activity.

How will you proceed?

Student's Activity:

1. Note down the date and the maximum and minimum temperatures from the newspaper for ten days.
2. On a graph sheet, plot the data on the x-axis and the corresponding maximum temperatures on the y-axis.
3. Join these points with a red pencil to get the maximum temperature graph.
4. Repeat step 2 for minimum temperatures. Now join the points with the blue pencil to get the minimum temperature graph.

What have you observed?

Day	Max. temp ($^{\circ}\text{C}$)	Min. temp ($^{\circ}\text{C}$)
1.		
2.		
3.		
4.		
5.		
6.		

7.		
8.		
9.		
10.		

What have you learned?

We can see from the graph that the _____ and _____ temperature change daily.

What more can we do?

- We can carry out this activity by noting the humidity content given in the weather report of a daily newspaper.

Extended learning worksheet

A. Fill in the blanks:

1. The maximum temperature for a particular day is recorded in the _____.
2. The _____ is a measuring cylinder with a funnel at the top to collect rainwater.
3. _____ is the measure of moisture in air.
4. _____ humidity is the amount of water vapour present in the air expressed as a percentage of the maximum amount of water vapour it can hold at that temperature.
5. The maximum and minimum temperatures are recorded with the help of _____.

B. Think and answer:

1. When do the wet clothes dry faster, in dry weather or in humid weather?

_____.

2. Why does the weather change frequently?

C. Multiple choice questions:

1. Which of the following is not an element of weather?

(a) temperature

(b) sun

© humidity

(d) rainfall

2. Which of these does not affect the climate of a place?

(a) longitude

(b) distance from sea

© distance from mountains

(d) winds