



# INDIAN SCHOOL DARSAIT DEPARTMENT OF SCIENCE



<b>Subject :</b> Science	<b>Topic :</b> Weather, Climate and adaptations of animals to climate	<b>Date of Worksheet :</b>
<b>Resource Person:</b> Mrs.Induresmi		<b>Date :</b> _____
<b>Name of the Student :</b> _____	<b>Class &amp; Division :</b> _____	<b>Roll Number :</b> ____

A. Give one word for the following:

- 1) The day to day changes in the conditions of the atmosphere
- 2) Average weather conditions of a place usually taken over a long time
- 3) The measure of the amount of water vapour in the atmosphere
- 4) The science of monitoring and studying the atmosphere and predicting the weather and climate
- 5) The department that prepares weather reports , collects data on temperature , wind etc
- 6) The thermometer which is used to measure the maximum and minimum temperature of a day
- 7) A measuring cylinder with a funnel on the top to collect water that measures rainfall
- 8) A migratory bird
- 9) The region on the earth where the sun does not set for six months in a year and in the other six months it does not rise.
- 10) The primary source of energy that causes changes in weather.
- 11) Teeth of elephants are modified into this.

B. Answer the following:

- 1) Which instrument is used to measure
  - a) Humidity - -----
  - b) Windspeed - -----
- 2) Name some countries that belong to polar regions.
- 3) Name some countries where the tropical rain forests are found.
- 4) Give some examples of animals living in the polar region.
- 5) Give some examples of animals living in the tropical rain forest region.
- 6) In which region days and nights are almost equal in length?

- 7) Name the elements that determine the weather of a place.
- 8) Name the place in India where the Siberian crane comes in winters.
- 9) Classify the following organisms according to their habitat.  
Musk oxen , rein deer , fox , seal , red – eyed frog , toucan , whale , elephant ,  
Siberian crane , new world monkey , lion tailed macaque , lizards.
- 10) Write true or false.
- Weather and climate are just the same
  - Penguins can't fly but have a streamlined body to help them swim in water.
  - Animals are adapted to survive in the conditions in which they live.
  - The typical desert climate is hot and dry.
- 10) Some of the adaptations in animals are given below. Which of the adaptations given below are A) for polar regions B) for tropical rain forest.
- fast runners
  - thick layer of skin
  - blubber
  - sharp eye sight
  - short ears
  - large and wide paws
  - sensitive hearing .
- 11) Write how the following adaptations help the penguins to live and survive in polar regions
- Blubber under the thick skin
  - Streamlined body
  - White coloured body with black coloured feathers
  - Webbed feet
- 12) Write how the following adaptations help the polar bear to live and survive in polar regions.
- White coloured fur
  - Short ears and tail
  - Long , curved sharp claws
  - Wide and large paws
  - Two thick layers of furs
- 13) Circle the odd one . Give reason for your choice.
- Temperature , Humidity , Electricity , Wind speed
  - Monkeys, Penguin , Polar bear , Musk oxen , Seals
  - Elephant , Lion tailed macaque, Red eyed frog , Toucan , Reindeer
- 14) Complete the given analogy:
- Monkey : Tail :: Red eyed frog : -----
  - Extreme cold climate : ----- :: Hot and wet climate : Tropical rain forests
  - Elephant: Long nose :: Toucan : -----
- 15) Identify the type of climate associated with the following areas:
- Kerala
  - Jammu & Kashmir
  - Rajasthan
  - North East India

