

SESSION : 2021-22

CLASS :V

SUBJECT : (SOCIAL SCIENCE)

CHAPTER NUMBER: 4

CHAPTER NAME : Climate

SUBTOPIC : Introduction, Weather and Climate, Factors affecting climate, Distance from the equator, cont...

CHANGING YOUR TOMORROW

LEARNING OBJECTIVES:



Children will come to know about-

- Difference between weather and climate
- The factors that affect the climate of a place

DID YOU KNOW

The scientists who study and predict the weather are called meteorologists

How was the weather in Bhubaneswar? Usually the climate is hot there but today it rained and the weather is pleasant.

Is there any difference between weather and climate? Let us find out.

WEATHER

Weather is the condition of the atmosphere at a particular place and time.

CLIMATE

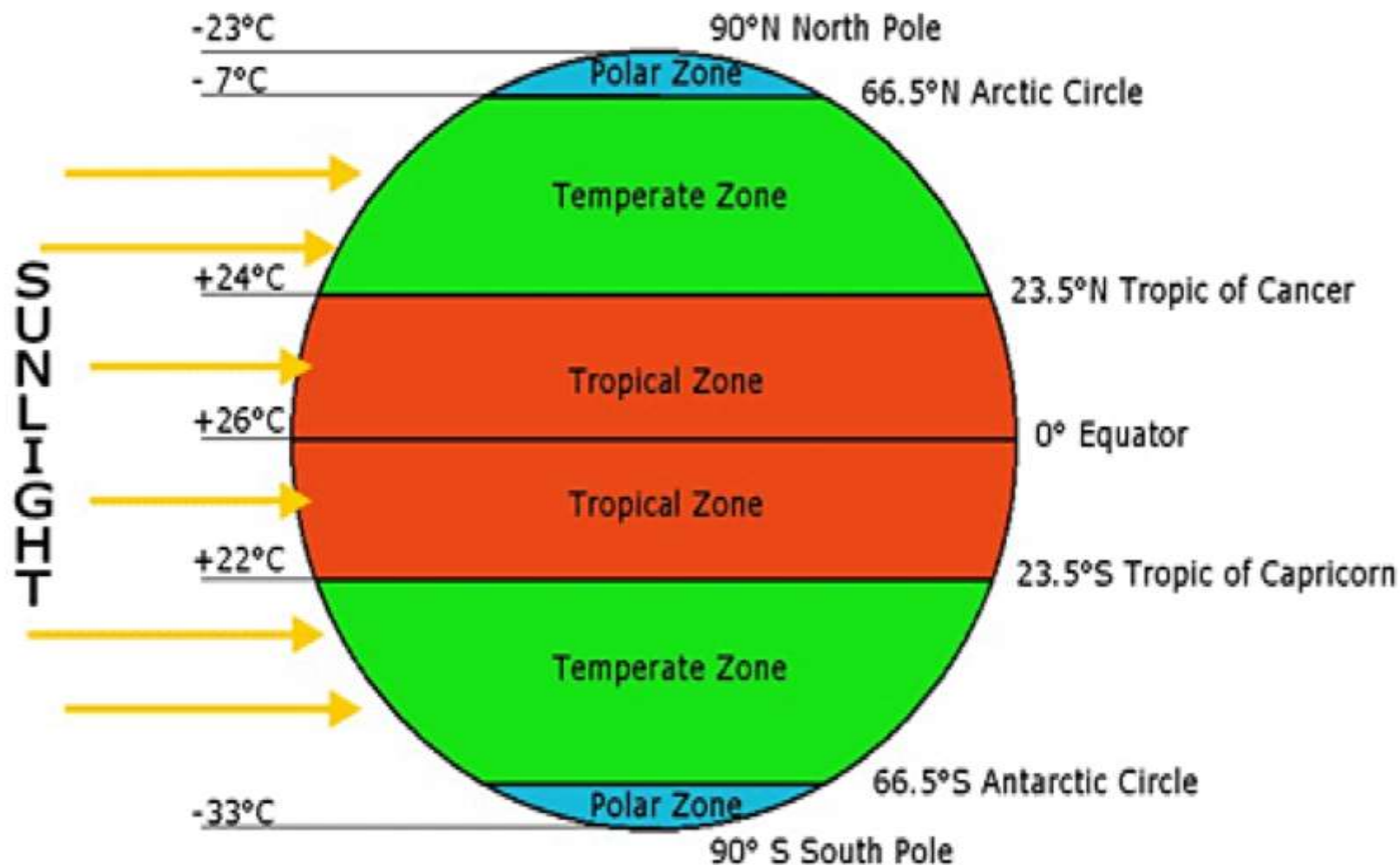
Climate, on the other hand, is the average weather condition of a place over a long period of time.

FACTORS AFFECTING CLIMATE:

➤ **Latitude (Distance from the Equator)**

As we know that all parts of the Earth donot receive the same amount of sunlight from the Sun, therefore based on the amount of heat received, the Earth is divided into three heat zones -

- **the torrid zone**
- **the temperate zone**
- **the frigid zone**
- **Height above sea level**
- **Distance from the sea**
- **Winds**
- **Humidity**



TORRID OR TROPICAL ZONE

- The region between Tropic of Cancer in North and Tropic of Capricorn in South is called torrid or tropical zone.
- Climate - hot and humid throughout the year
- Hottest zone as it receives direct rays of the Sun.
- Receives heavy rainfall.

The World densest forest, the South American Amazon lies in Torrid or Tropical zone. (Tropical Rainforest)

TEMPERATE ZONES

- The region between the Tropic of Cancer and the Arctic Circle in the Northern Hemisphere, and the Tropic of Capricorn and the Antarctic Circle in the Southern Hemisphere is called temperate zone..
- Climate - neither very hot nor very cold

The largest temperate rainforests, the Tongass National Forest in U.S.

POLAR OR FRIGID ZONE

- The areas between the Arctic Circle and the North Pole in the Northern Hemisphere, and between the Antarctic Circle and South Pole in the Southern Hemisphere is called the Frigid or polar zone.
- Climate - very cold

The land of midnight sun - Norway, where the Sun doesn't set between 20 April and 22 August.

VIVA REVISION:

1. What is a sketch?

ans. A rough drawing with free hand is called sketch.

2. What is a large scale map?

ans. When a map shows a small area of land on a large space is called large scale map.

3. What is a small scale map?

ans. When a map shows a large area of land on a small space is called small scale map.

4. Which diagram is used to find out main directions on a map?

ans. A compass rose is used to find out main directions on a map.

5. What is an axis?

ans. Axis is an imaginary line that runs through the North Pole and the South Pole, and around which the Earth spins.

CHAPTER RELATED QUESTIONS:

- 1. Four factors that affect the climate of a place.**
- 2. Extend of torrid zone**
- 3. Climate of torrid zone**
- 4. Extend of north temperate zone**
- 5. Extend of south temperate zone**

HW

**WRITE DIFFICULT WORDS FROM PAGE 27 IN NOTEBOOK AND
LEARN Q & A OF CH-1,2 & 3 FOR REVISION**

LEARNING OUTCOME:

Children will be able to know -

- The meaning of weather and climate
- How distance from the equator affect the climate of a place.

THANKING YOU
ODM EDUCATIONAL GROUP