

Tender Heart High School, CLASS-5 (Geography)

Chapter - II

Gurpreet Kaur

Topic - "MAJOR TEMPERATURE ZONES OF THE EARTH"

Good Morning Students,

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Today we are going to set our focus on the topic - "Major Temperature Zones of the Earth", Chapter - II starting on page number - 67 of your textbook titled "Time Trek - 5" and is being submitted to you on

All the students may kindly open page number - 67 of your text book and be ready with your Geography notebooks for writing the questions which will be asked during the short breaks. So, Dear students kindly pay attention as I am going to explain the topic. Let us discuss about the - MAJOR TEMPERATURE ZONES OF THE EARTH

The Earth is so vast that all regions on it have different climatic conditions. Since the Earth is shaped like an orange, the regions around and near the Equator receive the direct rays of the Sun. These regions are hence very hot.

As we move away from the Equator, the rays of the Sun falling on the Earth become increasingly slanting. The regions getting slanting rays of the Sun are colder than those receiving the direct sunrays. It is therefore extremely cold in the polar regions because they are very far away from

the equator.

The earth can be divided into three temperature zones according to the amount of heat received from the sun. The three temperature zones are as follows:-

1) The Torrid Zone 2) The Temperate Zone

3) The Frigid Zone

So, Dear students as we have read a small part of this chapter, now will recount the topic by means of a short test.

Ques-1. How many temperature zones are there on earth?

Ques-2. What is the another name of climatic zones?

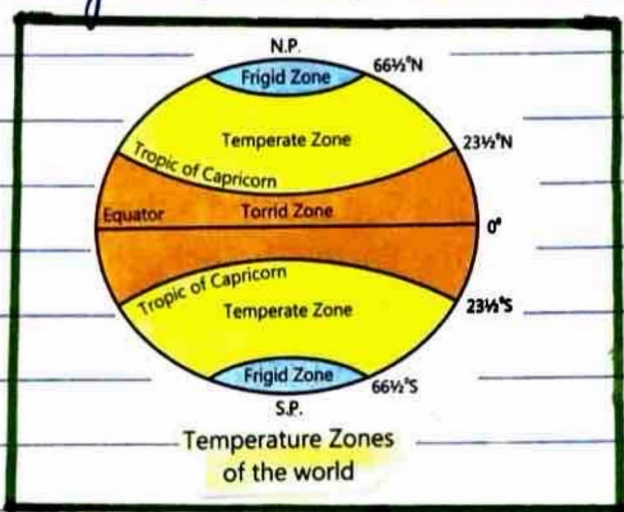
Ques-3. Explain the temperature zones of the earth with the help of a diagram.

Let us discuss the answers now:-

- 1) Three temperature zones on the earth are Torrid, Temperate and Frigid zone.
- 2) The another name of climatic zones is

temperature zones or heat zones.

Ans-3. Diagram - Students are advised to draw the diagram of Temperature zones neatly in their notebooks.



Let us proceed further now. We will discuss three temperature zones in detail now.


1. TORRID ZONE :- The Torrid Zone lies between the Tropic of Cancer in the Northern Hemisphere and the Tropic of Capricorn in the Southern Hemisphere. It is the hottest zone on the earth. It is so, because it receives direct rays of the sun throughout the year. This makes the weather hot, humid and rainy throughout the year. Sahara Desert and Amazon rainforest are located in this belt. Let us discuss some of the climatic types found in the Torrid zone from the table:-

Tender Heart High School, Class-V (Geography)

Chapter-11

Gurpreet Kaur

4

	Climatic Type	Distribution	Climatic Conditions	Natural Vegetation
1)	Equatorial	found between 0° and 5° north and south latitudes	1. uniform temperature throughout the year 2. no winter 3. heavy rainfall, well distributed throughout the year	1. tropical rainforest: for example, the Amazon Rainforests 2. tropical hardwood trees such as mahogany, ebony, greenheart, and cabinet wood
2)	Tropical grassland	found between 5° and 25° latitudes in Northern and Southern Hemispheres	1. distinct wet and dry seasons 2. average temperature between 24 to 27° C 3. annual rainfall between 100 to 150 cm 	1. grasslands (also known as savannah) characterized by tall grass and short trees 2. deciduous trees such as acacias and baobabs 3. The savannah in Africa—home to wild animals such as lions, giraffes, and zebras
3)	Tropical monsoon	found between 5° and 30° latitudes in the Northern and Southern Hemispheres; in the Indian subcontinent, Burma, and Thailand	a cool dry season followed by a hot dry season and a wet season	1. deciduous forests 2. various agricultural crops
4)	Tropical marine	in areas like Central America, West Indies, Madagascar	evenly distributed rainfall	

5) Hot desert found between 15° and 30° latitudes in the Northern and Southern Hemispheres; in Sahara Desert, Great Australian Desert, Thar Desert, Kalahari Desert, and Namib Desert

extreme weather conditions and no or very small amount of rainfall

1. vegetation that does not require much water such as some types of grass, scrub, herbs, and weeds



Sahara Desert

That's all for today students. Please go through the subject-matter carefully for better understanding of the concepts.

Thank you.

Last page - (5)