

CLASS VII CHAPTER 8 HUMAN ENVIRONMENT INTERACTION THE TROPICAL AND THE SUBTROPICAL REGION (NCERT)

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TOPICS:



INTRODUCTION



**LIFE IN THE
AMAZON BASIN**



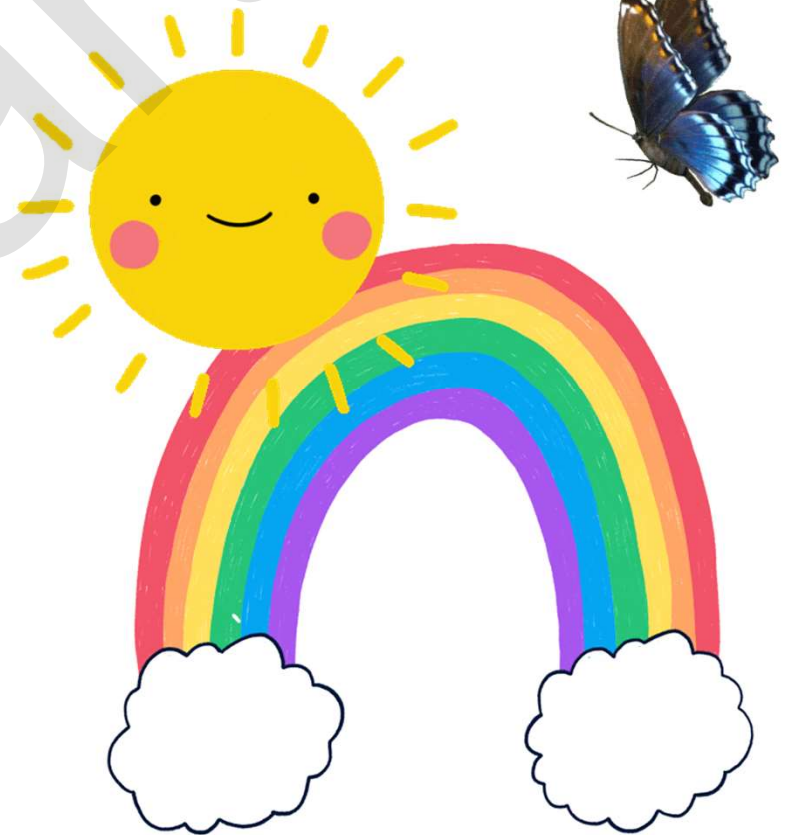
CLIMATE



RAINFORESTS

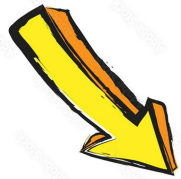


PEOPLE OF THE RAINFOREST



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**LIFE IN THE GANGA –
BRAHMAPUTRA BASIN**

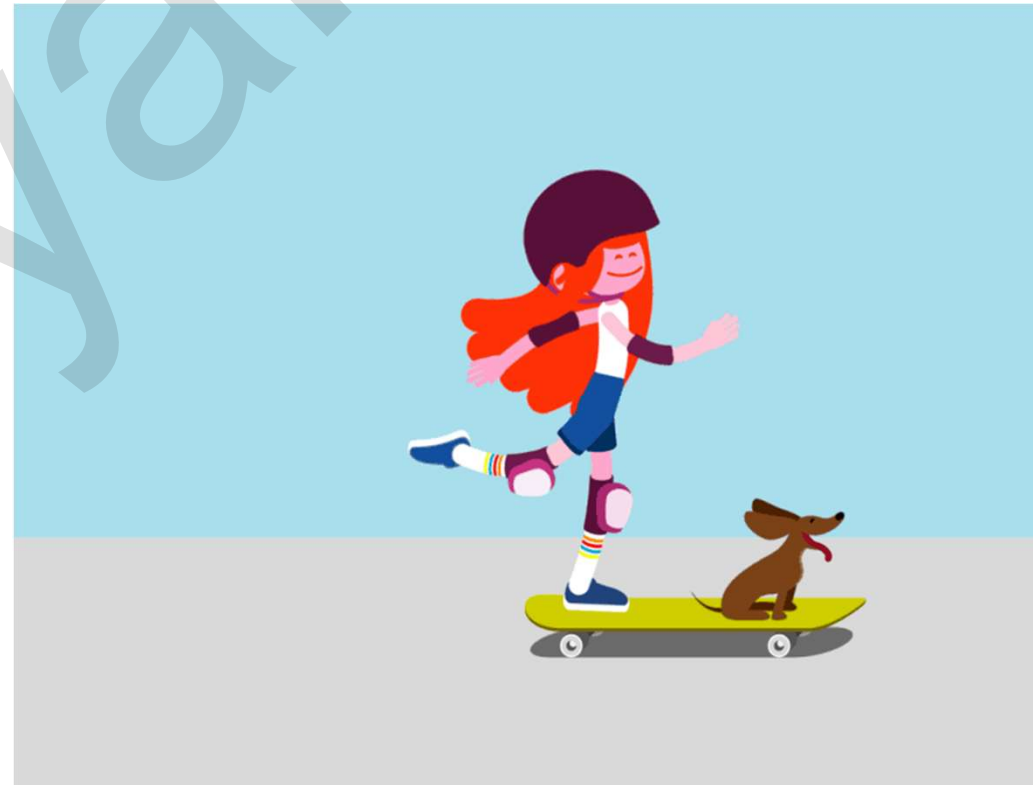


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INTRODUCTION

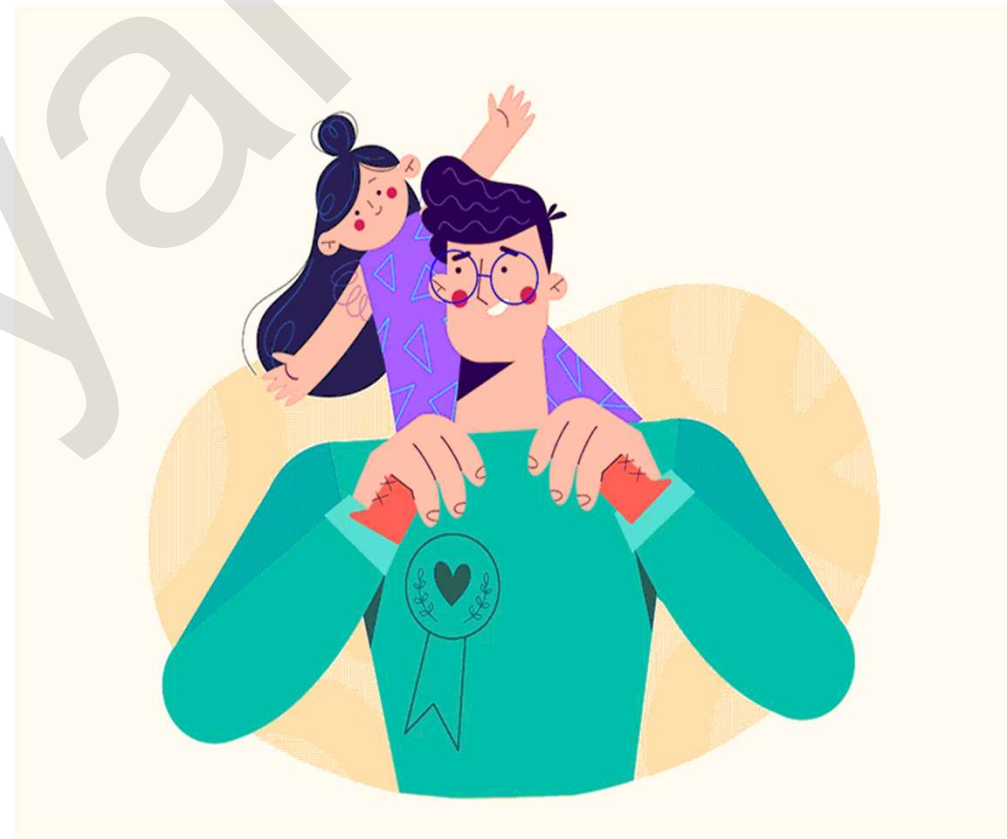
- **STORY OF RENUKA.**
- Uncle Shrikant was coming after 4 months (**WILDLIFE PHOTOGRAPHER**)
- She has a keen interest in nature from a very early age.
- **SHRIKANT EXPLAINED** – the people live in the nature,



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- Maybe different in appearance but share some basic and common needs of life like shelter, clothing, food, help family.
- In chapter 8,9,10 we will learn about different natural regions of the world.



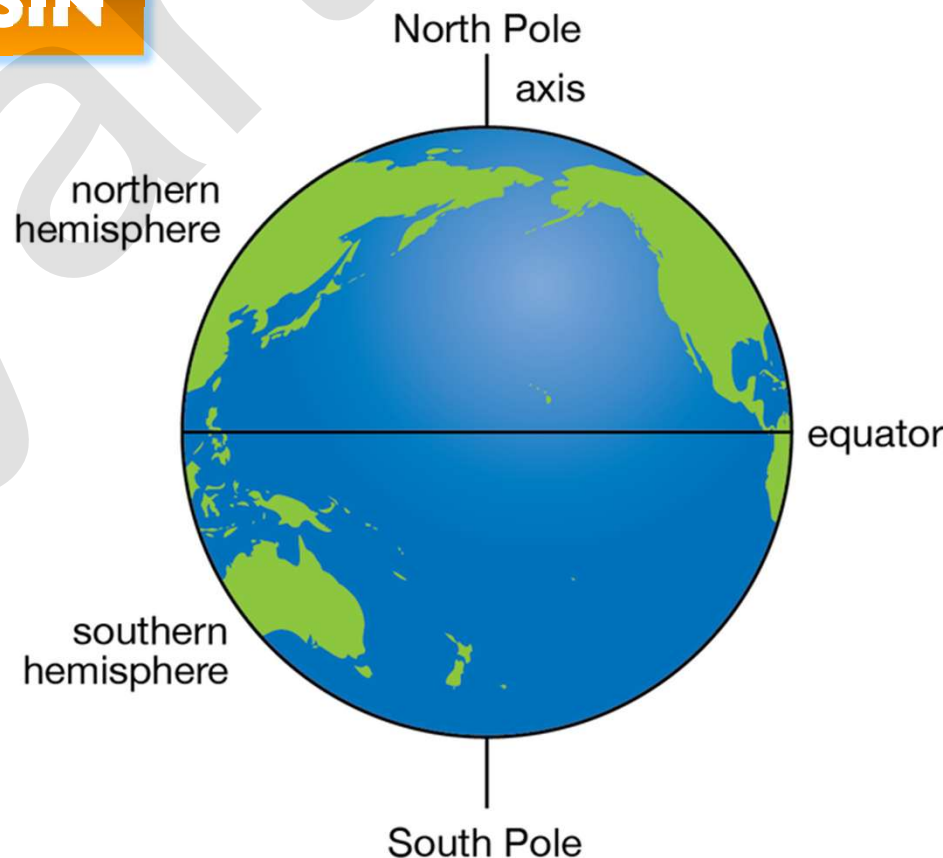
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LIFE IN THE AMAZON BASIN

- Tropical region lies near the equator. It is referred as the equatorial region. **(AMAZON RIVERS FLOWS HERE)**
- It flows in the mountain to the west and reaches the Atlantic ocean to the east.



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- **RIVER MOUTH** – the place where the river flows into another body of water.
- Numerous tributaries join amazon river to form amazon basin.
- The river basin drain portion of **BRAZIL, PARTS OF PERU, BOLIVIA, EQUATOR, COLUMBIA, SMALL PART OF VENEZUELA.**



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□ **AMAZON
RAINFOREST
OF BRAZIL**

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CLIMATE

- Amazon basin stretches on the equator with hot and wet climate throughout the year.
- Both equally day and night are hot and humid.
- Rains almost everyday, skin feels sticky (**WITHOUT ANY WARNING IT POURS HEAVILY**).



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chibird

- **DAY TEMPERATURE** – high with very high humidity.
- **NIGHT TEMPERATURE** – down but humidity remains high.

too...
hot...



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RAINFORESTS

- Due to heavy rain in this region thick forest grow. (**SUNLIGHT DOES NOT ENTER**).
- The ground remains dark and damp. only shade tolerant vegetation grows here.
- **EX** – orchids, bromeliads, (plant parasite)



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- Rainforests are rich in fauna.
- **BIRDS – TOUCANS, HUMMING BIRD, BIRD OF PARADISE.**
- These birds eat plenty here along with creates loud sounds in the forest.
- **ANIMALS – MONKEYS, SLOTH, TAPIRS, REPTILES, SNAKE, CROCODILES, PYTHONS, ANACONDA, BOA.**

PLANT PARASITES



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SLOTH, TAPIRS, BOA



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- It is a home of thousands of species of insects and fish too.
- **EX – FLESH EATING PIRANHA.**
- It has rich and extraordinary variety of life.



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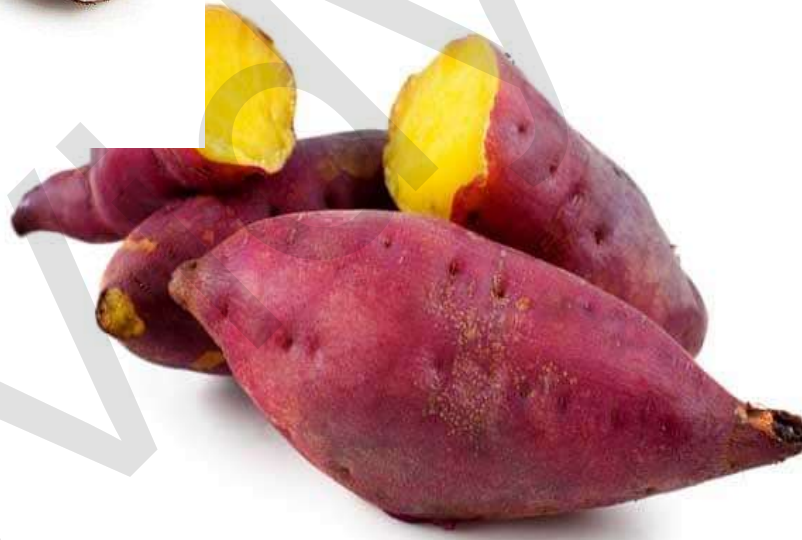
PEOPLE OF THE RAINFOREST

- People clear some patch of forest and grows food, hunt and fish along the river.
- Women take care of the crops and family.
- **EX – TAPIOCA, PINEAPPLE, SWEET POTATO ETC.**



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- They practice slash and burn (staple food is **MANIOC** also known as **CASSAVA**) that grows under the ground like the **POTATOES**.
- **ALSO EAT QUEEN ANTS, EGG SACS, COFFEE, MAIZE, COCOA.**
- Rainforest provide lot of wood for houses and some lives in thatched houses and some live in large apartment like houses called maloca with slanty roof.

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CASSAVA



MAIZE



COCOA



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- Life of people living in amazon is also changing.
- At first they have to follow the river as a navigator to reach the forest.
- In 1970 the trans amazon highway made rainforest accessible.
- Aircraft and helicopter helped too.



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- Indigenous population was pushed out and forced to settle in new areas where they continued to practice their way of farming.
- Developing activities are leading to gradual destruction of this diverse rainforest.
- Large areas of Amazon are annually disappearing.



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- This topsoil is getting washed away and lush green forest is becoming.



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LIFE IN THE GANGA - BRAHMAPUTRA BASIN

- Tributaries of Ganga and Brahmaputra together creates gnga Brahmaputra basin in the Indian subcontinent (**LIES IN THE SUBTROPICAL REGION**)
- Tributaries of ganga like the ghaghra,the son ,the Chambal, the gandak,the kosi

SUNDER BANS



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And the Brahmaputra tributaries.

- The plains of Ganga, Brahmaputra, mountain, foothills, Himalayas and the Sundarbans delta are the main features of this basin.
- The area is dominated by monsoon, it brings rain from mid June and Sept. Summers are hot and the winters are cool.



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- Basin area has varied topography, mountain areas with steep slopes have inhospitable terrain.**(LESS NO. OF PEOPLE LIVE)**
- Plain area provides suitable land for humans**(SOIL IS FERTILE FOR AGRICULTURE)**.
- Agriculture is the main occupation of them and density of the population is very high.



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- Paddy is the main crop and needs area with sufficient water.
- **OTHER CROPS – WHEAT, SORGHUM, GRAM, MILLET** cash crops – **JUTE, SUGARCANE** along with some **BANANA PLANTATION**.
- In Bihar and assam cultivation of **SILK WORMS** are done.



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WHEAT



SORGHUM



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SUGARCANE



JUTE

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SILK WORMS



BANANA PLANTATION



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- Vegetation is different everywhere according to the type of landforms.
- Tropical deciduous trees grows with **TEAK**, **SAL**, **PEEPL**E along with **BAMBOO GROVES**.
- In Uttarakhand, Sikkim, A.P, coniferous trees like pine, deodar, fir are seen (**BECAUSE OF THE COOL CLIMATE AND STEEPS**)

TEAK



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BAMBOO

SAL



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- **WILDLIFE** – elephants, tigers, deer, monkeys, one horned rhino.
- In the delta area tigers and crocodiles and alligator.
- **AQUATIC LIFE** exist in large number in lakes, fresh water river, bay of Bengal sea.
- **EX**– catla, rohu, hilsa(staple food is fish and rice).

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- There are many cities and towns of Ganga and Brahmaputra plain like - **ALLAHABAD, KANPUR, VARANASI, LUCKNOW, PATNA AND KOLKATA** all with the population of more than ten lakhs are located along the River Ganga
- wastewater from these towns and industries is discharged into the rivers leads to the pollution of the rivers.

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- 4 ways of transport are well developed in the Ganga-Brahmaputra basin – **ROADWAYS, RAILWAYS, WATERWAYS**, is an effective means of transport particularly along the rivers along with it has many airports.

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- **TOURISM IS ANOTHER IMPORTANT ACTIVITY**
- **BUDDHIST STUPAS IN U.P. AND BIHAR**
- **LUCKNOW WITH IMAM BARA.**
- **ASSAM WITH KAZIRANGA.**
- **MANAS WITH WILDLIFE SANCTUARY.**
- **ARUNACHAL WITH TRIBAL CULTURE ARE WORTH THE VISIT.**
- **TAJ MAHAL IN AGRA (RIVER YAMUNA).**