

DATE: 29 SEP 2020

SUBJECT : SCIENCE

CHAPTER-8:

WEATHER, CLIMATE AND ANIMAL ADAPTATION

TOPIC-5:

ADAPTATION OF ANIMALS TO HOT & WET CLIMATE

ADAPTATION

Adaptation of Animals to hot & Wet climate:

Adaptation:

certain specific features that help an organism to survive in an environment are known as adaptation.

Hot and wet climatic regions:

Hot and wet climate: The tropical regions are located near the equator. Tropical rain forests have warm and wet climates and receive heavy rainfall. Rainforests are found in south America, central America, Asia, Africa and Tropical Island. In India- western Ghats, the north east states, Andaman and Nicobar islands.

The most outstanding feature of the **equatorial climate** is its great uniformity of temperature throughout the year with no winters.

Cloudiness and heavy precipitation ~ 150 – 250 cm of rainfall or more in a year, helps to moderate the temperature.

Animals: Some kind of animals are found to live in in the hot and wet climatic regions such as Monkey, Jaguar, Red eyed tree frog, Sloth, Toucans , Stick insects, Leaf insects, Leaf cutter etc.

SOME ANIMALS FOUND AT HOT AND WET CLIMATIC REGION



JAGUAR



TOUCAN



TREE FROG



SLOTH

SOME ANIMALS FOUND IN HOT AND WET CLIMATIC REGIONS



MONKEY



STICK INSECT



LEAF INSECT



WEAVER ANT

ANIMALS IN HOT AND WET CLIMATIC REGION

ADAPTIVE FEATURES:

1. JAGUAR:

- It can climb trees
- The pattern of spots on their body helps them to hide in the shadows and hunt other animals without being seen

2. Toucans:

- They have a large, strong beak that is supplied with blood vessels.
- Their beak helps them to break fruits and nuts that have tough shells

3. Monkey:

- They have long limb/tail that help them to swing from one branch to other branch of trees.

4. Tree frog:

- They have sticky pads on their feet that help them to climb trees

5. Sloth :

- They are slow moving mammals
- They live on trees.
- They have thick, brown fur that help them to hide on trees
- The green algae that sometimes grow on the sloth's fur help it to blend in with the surroundings

HOT AND WET CLIMATE

ADAPTIVE FEATURES:

6. Stick insects and leaf insects:

- They are so well camouflaged in their surroundings that it is difficult for predators to spot them.

7. Weaver ants and leaf- cutter:

- They are adapted to live on trees in rainforests
- Weaver ants build nests by weaving together leaves of trees using a substance that their larvae secrete.

QUESTIONS: HOME ASSIGNMENT

1. Write briefly about hot and wet climate?
2. Where are the regions having hot and wet climate located?
3. Name any eight inhabitants/animals found in hot and wet climatic region.
4. How is a Jaguar adapted to hot and wet conditions?
5. Write the adaptive features of Toucans.
6. Write the adaptive features of Sloth.
7. What are the adaptive features of stick insects and leaf insects
8. Write the adaptive features of weaver ants and leaf-cutter?
9. Animals living in humid places (tropic pant) sweat or lick themselves.
Give reason.