

### Key Vocabulary

**The Equator** - the imaginary east-west line encircling the earth midway between the North and South poles. Divides the Earth into the Northern and Southern hemispheres.

**Tropic of Cancer** - line of latitude that is north of the equator.

**Tropic of Capricorn** - line of latitude that is south of the equator.

**Costal** - an area of land where the sea and land meet.

**Canopy** - the tallest layer of trees in a forest

**Under canopy** - the layer of vegetation in a forest below the canopy but above the ground shrub

**Deforestation** - the destruction of trees over large areas

**Afforestation** - establishing a forest where there has previously been no tree cover

**Sustainable** - meeting the needs of the present generation without compromising the needs of future generations.



### People of the rainforest

The Yanomami Tribe There are many different indigenous tribes living in rainforests around the world; one of the largest is the Yanomami. The Yanomami live in South America in the rainforests and mountains of North Brazil and southern Venezuela. With a population of around 20,000 people, the Yanomami live in large communal houses called shabonos.

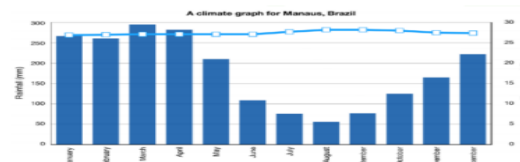


### What does the rainforest provide?

At least 80% of the developed world's food originated in the tropical rainforest. Its gifts to the world include fruits like avocados, coconuts, figs, oranges, lemons, grapefruit, bananas, guavas, pineapples, mangos and tomatoes; vegetables including corn, potatoes, rice, winter squash and yams; spices like black pepper, cayenne, chocolate, cinnamon, cloves, ginger, sugar cane, turmeric, coffee and vanilla and nuts including Brazil nuts and cashews. At least 3000 fruits are found in the rainforests; of these, only 200 are now in use in the Western World. The Indians of the rainforest use over 2,000. The Amazon Rainforest produces more than 20% of the world's oxygen. The Amazon Basin contains 20% of the world's fresh water.

### Climate

The average temperatures are around 27 degrees Celsius. Rainfall is over 2000mm throughout the year.



### Where is the Amazon Rainforest Located?

The Amazon Rainforest is located 10° north and south of the Equator. The Amazon is a vast biome that spans over countries: Brazil, Bolivia, Peru, Ecuador, Colombia, Venezuela, Guyana and Suriname. The rainforest covers 60% of Brazil.



### Green Energy in South America

• **Hydro-electric plants:** Hydropower is the main source for electricity generation in South America which accounts for 45% of total electricity.

### Project for Home Learning

Can you find out all about the Amazon Rainforest and energy production in South America ?

-A 3D model of the Amazon Rainforest and hydro-electric energy

-A leaflet

-A poster

- Create maps

- Fact file

- Farm where we can see the wind turbines work.