Rain forest

-definition - a rainforest is a defined as a forested regional group of distinguishing plants and mammals communities that have a large percent of yearly rainfall

- between 67 and 100 in a year

-location Central America, the Amazon, Africa, Southeast Asia, and Australia, and the United States

Split into 4 parts emergent, upper canopy, lower canopy, and forest floor

There are over 750 different kind of trees in 21/2 acres of land

Covers 2% of the world

¼ of the world oxygen

1/5 of the world clear water in Amazon

5 centuries ten million people lived in the rain forest

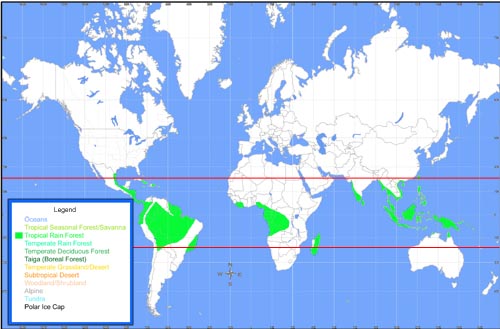
Many tribal groups lived in the rain forests

There are still some groups of people that still live deep in the rainforests

In the 1800 and 1900 people came into the rain forests to mine for gold minerals and to cut down trees and sell land

Rainforests in Papua New Guinea, Indonesia, and Malaysia are also home to hundreds of tribes that lead traditional lives. Like the Kombai in Indonesia the Penan in Malaysia

Have largest rivers in world

High and low season ( water)

Average temperate is 20c

8 to 14 of rain

Close to equator so lots of sun there for lot of evaporation and a lot of rain

Soil has little nutrients

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Country | Area of Country | Original Forest | Present Forest | Annual Rate of |
|  | (sq km) | Cover (sq km) | Cover (sq km) | Deforestation (sq km) |
| Bolivia | 1,098,581 | 90,000 | 45,000 | 1,500 |
| Brazil | 8,511,960 | 2,860,000 | 1,800,000 | 50,000 |
| C. America | 522,915 | 500,000 | 55,000 | 3,300 |
| Columbia | 1,138,891 | 700,000 | 180,000 | 6,500 |
| Congo | 342,000 | 100,000 | 80,000 | 700 |
| Ecuador | 270,670 | 132,000 | 44,000 | 3,000 |
| Indonesia | 1,919,300 | 1,220,000 | 530,000 | 12,000 |
| Cote D'ivoire | 322,463 | 160,000 | 4,000 | 2,500 |
| Laos | 236,800 | 110,000 | 25,000 | 1,000 |
| Madagascar | 590,992 | 62,000 | 10,000 | 2,000 |
| Mexico | 1,967,180 | 400,000 | 110,000 | 7,000 |
| Nigeria | 924,000 | 72,000 | 10,000 | 4,000 |
| Philippines | 299,400 | 250,000 | 8,000 | 2,700 |
| Thailand | 513,517 | 435,000 | 22,000 | 6,000 |

Deforestation

14.8 million 8000 years ago 6.8 now

90% of all forests in south Africa are destroyed

80 degrees all year around

* 2.47 acres (1 hectare) per second: equivalent to two U.S. football fields
* 150 acres (60 hectares) per minute
* 214,000 acres (86,000 hectares) per day: an area larger than New York City
* 78 million acres (31 million hectares) per year: an area larger than Poland

Rains almost every day

Largest rain forest is the Amazon in brazil

40 % of earths oxygen

100 years ago 12% now 6% of the land

“lungs of the earth”

Began to form 140 million years ago

Heat in there can melt paint on walls

12 hr of sun light a day

For medicines 1400 plant could have the ability to cure cancer

Humidity 77% to 88%

Most medicines today were made form plant from the rain forests

7 to 10 million people live there their population reduced by 90% a hundred years later

Helps stabilize world climate by taking in a lot of carbon dioxide

Source of food, wood, medicine, and recreation

Logging is a big problem

1986- 2 dozen species went extinct every day

Tribal people use the rain forest for medicine

Developed 180 billion years ago

½ of all living animals

average yearly high: 25C

average yearly low: 20C

average yearly precipitation: 200+ cm

Summer

average daily high: 25C

average nightly low: 15C

average daily precipitation:

Winter

average daily high: 20C

average nightly low: 10C

average daily precipitation:

in the tropics between Tropic of Cancer and the Tropic of Capricorn

sun is strong get a lot of sunlight there is a lot of energy in the rain forests

Climate:." *Tropical Rain Forest*. Web. 12 Apr. 2012. <http://www.marietta.edu/~biol/biomes/troprain.htm>.