

FORESTRY

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A forest and forestry

- A forest – large extract of land covered extensively by trees.
- Forestry – scientific process of planting, exploiting and conservation of forests.

Types.

1. Tropical rain forests.
2. Temperate coniferous forests
3. Planted forests

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Tropical forests

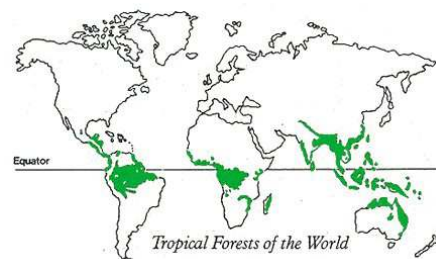
Types

- i. Tropical rain forest
- ii. Mangrove forest
- iii. Tropical monsoon forest

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Location of Tropical Rainforests



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Amazon forest

- Amazon is the world's biggest forest.
- Amazon Forest has existed for over 55million years
- Located in the north of south America
- Shared by nine countries
- Covers 60% of Brazil
- Contains 40 000 plant species • 1 300 bird species • 430 amphibian species • 3 000 fish species • 380 reptile species

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COVERAGE OF AMAZON IN BRAZIL



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COVERAGE	<p>Forest covers Covers 5.2million km²</p> <p>Contains 390 billion individual trees divided into 16,000 species</p> <p>Amazon river covers approximately 6400 km long</p>
FOREST PROCESSING INDUSTRIES	<p>Khulani Timber Industries – poles, Brazil</p> <p>Timber industries</p>
Main importers.	<p>North America, Canada, China, Norway, France, Germany etc</p>

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Developed towns.	<p>Brasilla –South East of amazon</p> <p>Belem- North East</p> <p>Quito- North West</p> <p>Lima- South West</p> <p>Santa Cruz-South</p> <p>Macapa- North East</p>
HEP dams on amazon river	<p>a) Belo Monte dam- Para brazil (11,233 MW)</p> <p>b) Usina dam</p> <p>c) Itaipu dam on Brazil-Paraguay border</p>
Other benefiting sectors.	<p>Fishing sector</p> <p>Mining sector</p> <p>Transport sector</p> <p>Health sector, etc</p>

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Characteristics of tropical forests

- Forests are thick and luxuriant
- Trees are ever green
- Trees are broad leaved
- Trees have tall strait smooth barks
- Trees form layers called canopies
- Trees have buttress roots
- Mainly of hard wood
- Tree species take long to mature

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Factors favoring tropical forest growth

Physical factors

- Heavy rainfall over 1500mm per annum and temperature of 20⁰
- Deep fertile soils
- Low altitude less than 2000m
- Pest and diseases
- Hot-humid inhospitable environment

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Human factors

- Low population
- Government policy of forest conservation
- Lumbering using elementary tools thus low exploitation levels
- Inaccessibility
- Low demand for forest products

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Importance

- Source of industrial raw materials
- Source of food stuff
- Modification of climate
- Medicine
- Game conservation
- Foreign exchange
- Capital inflow
- Diversification of the economy
- Research purposes
- Recreation
- Source of rivers
- Employment
- Source of revenue
- Catchment area

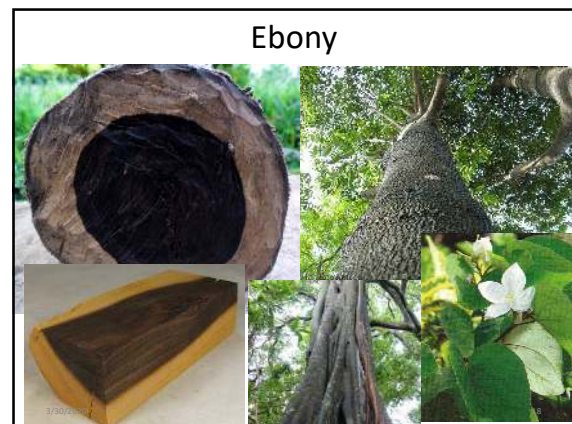
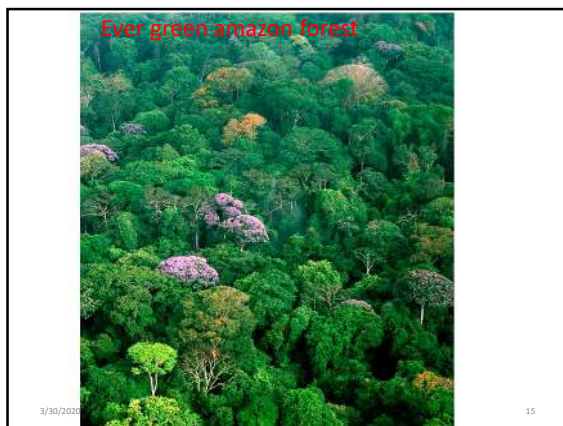
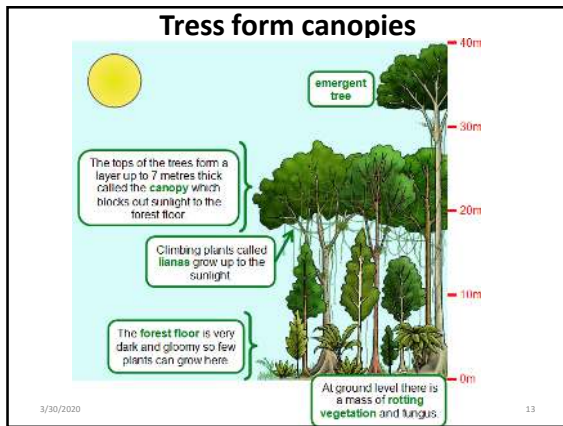
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Short comings of tropical rain forests

- Hinder transport and communication
- Harbor pests and diseases
- Obstacles to settlement
- Hide rebels
- Timber processing firms pollute the environment
- Growth of urban centers and associated problems
- Obstacle to agricultural expansion
- Loss of lives during exploitation

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Ebony products



Tree harvesting tools in amazon



Rubber tapping



Tree harvesting



Loading and transportation



Transportation of logs



Associated accidents



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Man falls from a tall tree



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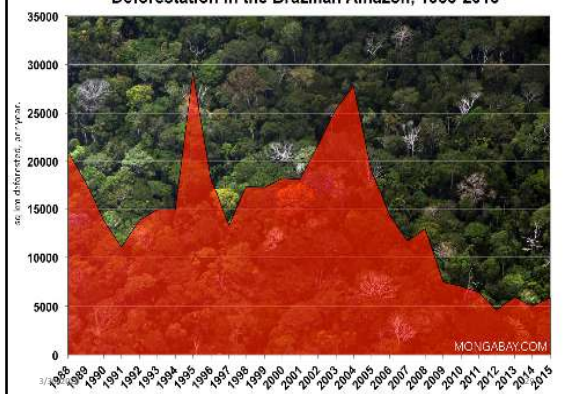
Deforestation in The Amazon



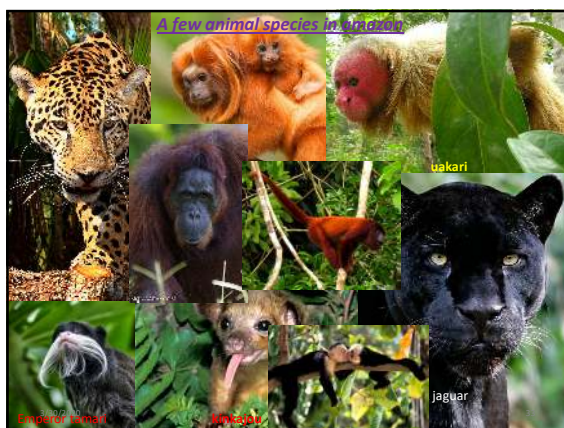
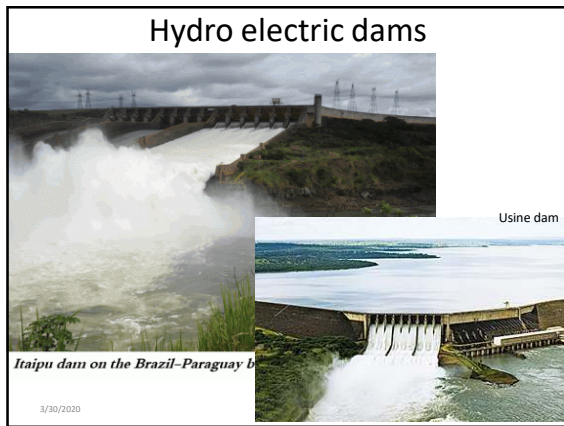
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Deforestation in the Brazilian Amazon, 1988-2015



Amazon river





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