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|--------------------------------|------------|
| → Antelopes (Africa) | → Birds |
| → Capybaras
(South America) | → Insects |
| | → Reptiles |

Mediterranean Shrubland (Chaparral)

- Near an ocean
- Shrubs: Withstand hot & summers and fire-resistant (May be dormant in summer)
- Organisms vary along the world

Organisms

- | Producers | | Consumers (General) |
|----------------|------------|---------------------|
| → Woody Shrubs | → Insects | → Birds |
| | → Reptiles | → Mammals |

Tropical dry forest

- Monsoon climate: 4 months water + 8 months dry
- Plants with special adaptations for drought. Some drop their leaves
- Tropical Dry forest's Animals = Tropical rainforest's

Tropical rainforest

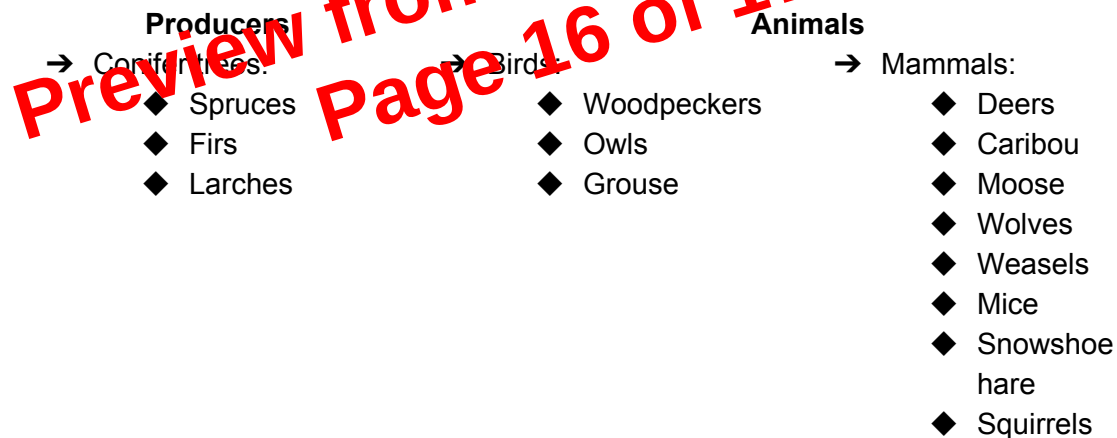
- Near the Equator
- Good climate → Quick-growing plants
- Water takes nutrients away from canopy → Poor soil → Not good farmland
- Rainwater dissolves nutrients in the air → Trapped by **Epiphytic plants** (Plants on plants)
- **Epiphytic plants**: e.g. Vines, ferns, mosses, orchids
 - They compete for sunlight with the supporting tree
- Plants:
 - (Some) Have extensive root-networks, associated with fungi, to take nutrients from dead plants.
- Greatest biodiversity: Rainforest's biodiversity > Rest of the world's together
- Trees = Food, shelter, support
- Canopy = 2-3 levels
 - Ground: No light
 - Below canopy: Shade-tolerant trees
- Fruit-feeding & nectar-feeding animals → Pollination & seed-spreading
- Communication by noises
- Poor + high unemployment countries → Rainforests Under logging & agricultural pressure
- Agriculture + poor soil = Difficult

◆ Coyotes

Taiga

- Evergreen coniferous forest
- Winter = harsh, 6 months
 - Frozen soil
- Humid climate (Spring melting + no evaporation)
- Many lakes, ponds, bogs
- Dry winter: Snow over the soil (not *in*)
- Trees
 - Needle-shaped leaves = less water loss
 - Flexible leaved
 - Winter-conditions adapted trees
- Animals:
 - Active during summer
- Birds:
 - Migratory
 - Feed on summer insect population

Organisms



Tundra

- Norther than the taiga
- **Permafrost** = Permanently frozen soil
- Cold temperatures
- Windy
- No trees
- Up to 10-month-long winter
- Ponds, pool... frozen
- Migrant birds: Mate and Raise their young