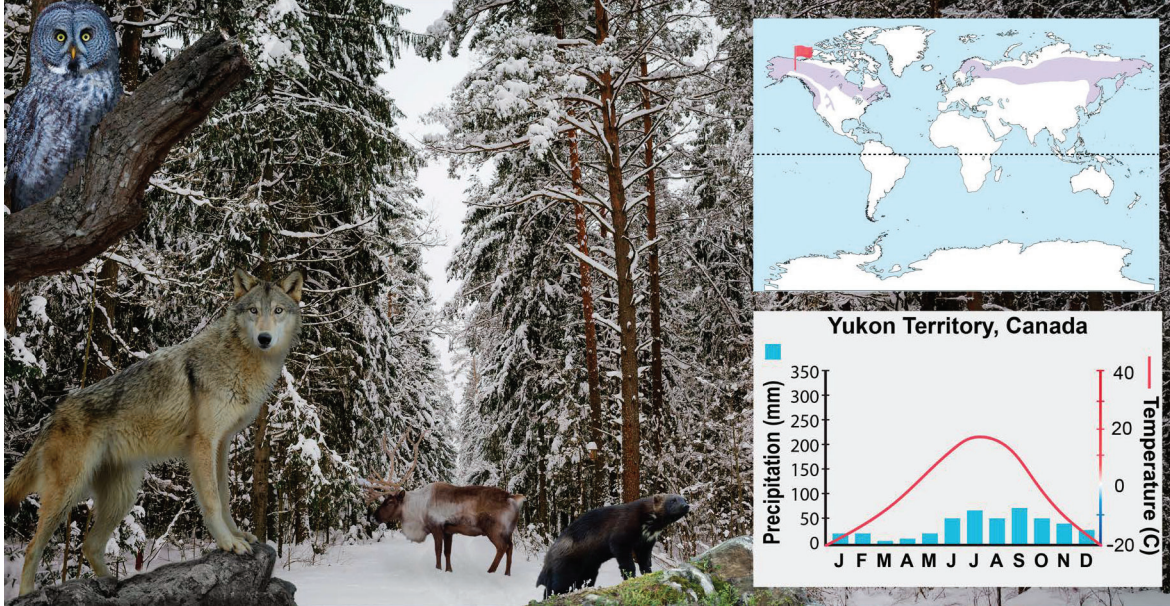


## TOPIC: TERRESTRIAL BIOMES: NORTHERN REGIONS

### Northern Coniferous Forests (Boreal Forests/Taiga)

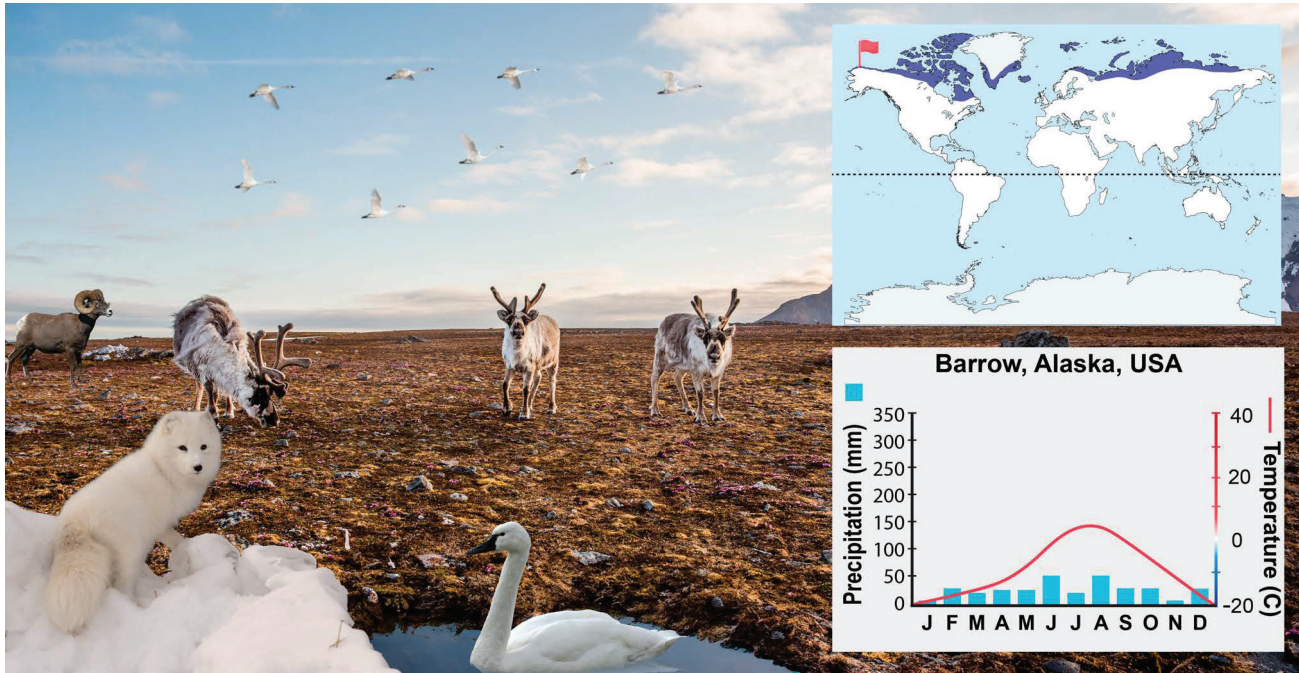
- ◆ Earth's \_\_\_\_\_ terrestrial biome. Dominated by \_\_\_\_\_, which are trees with several key adaptations:
  - Needle-like leaves reduce water loss; conical tree shape prevents snow accumulation.
- ◆ \_\_\_\_\_ biomass due to low temperatures & precipitation.



## TOPIC: TERRESTRIAL BIOMES: NORTHERN REGIONS

### Tundras

- ◆ Located in the far north (arctic tundra) & at high elevations at all latitudes (alpine tundra).
- ◆ \_\_\_\_\_ productivity/biomass; **permafrost** (\_\_\_\_\_ soil) limits vegetation to mosses, grasses & forbs.



### EXAMPLE

Appropriately match each labeled region on the climograph to its corresponding biome.

Desert: \_\_\_\_\_

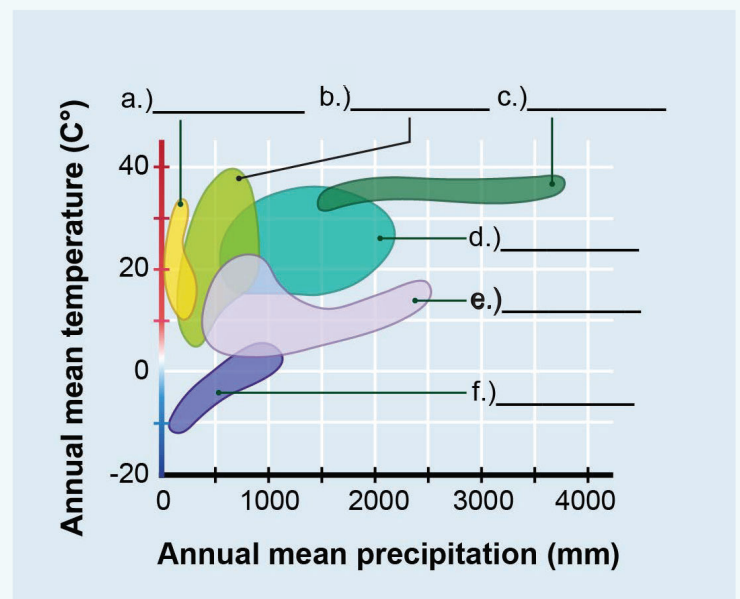
Tundra: \_\_\_\_\_

Tropical Rainforest: \_\_\_\_\_

Temperate Broadleaf/Deciduous Forest: \_\_\_\_\_

Temperate Grassland: \_\_\_\_\_

Northern Coniferous/Boreal Forest (Taiga): \_\_\_\_\_



## **TOPIC: TERRESTRIAL BIOMES: NORTHERN REGIONS**

### **PRACTICE**

Which of the following biomes has the lowest number of vertical strata (layers)?

- a) Tundra.
- b) Savanna.
- c) Northern coniferous forest.
- d) Chaparral.

### **PRACTICE**

In which of the following biomes would you expect to find scattered trees & shrubs, large grazing mammals, and reptiles?

- a) Tropical rainforest.
- b) Desert.
- c) Tundra.
- d) Savanna.

### **PRACTICE**

Which of the following best explains why terrestrial biomes are not consistent on every continent across each latitude?

- a) Biomes have large overlapping areas called ecotones, making their borders hard to define.
- b) Seasonal variation causes biomes to change location.
- c) Differences in elevation, soil type, topography & microclimate all contribute to which biome is present.
- d) All of the above.

### **PRACTICE**

Vertical stratification is most pronounced in the \_\_\_\_\_ biome, while the northern coniferous forest is the \_\_\_\_\_ terrestrial biome on Earth.

- a) Temperate broadleaf forest; largest.
- b) Tropical rainforest; largest.
- c) Temperate broadleaf forest; coldest.
- d) Tropical rainforest; coldest.