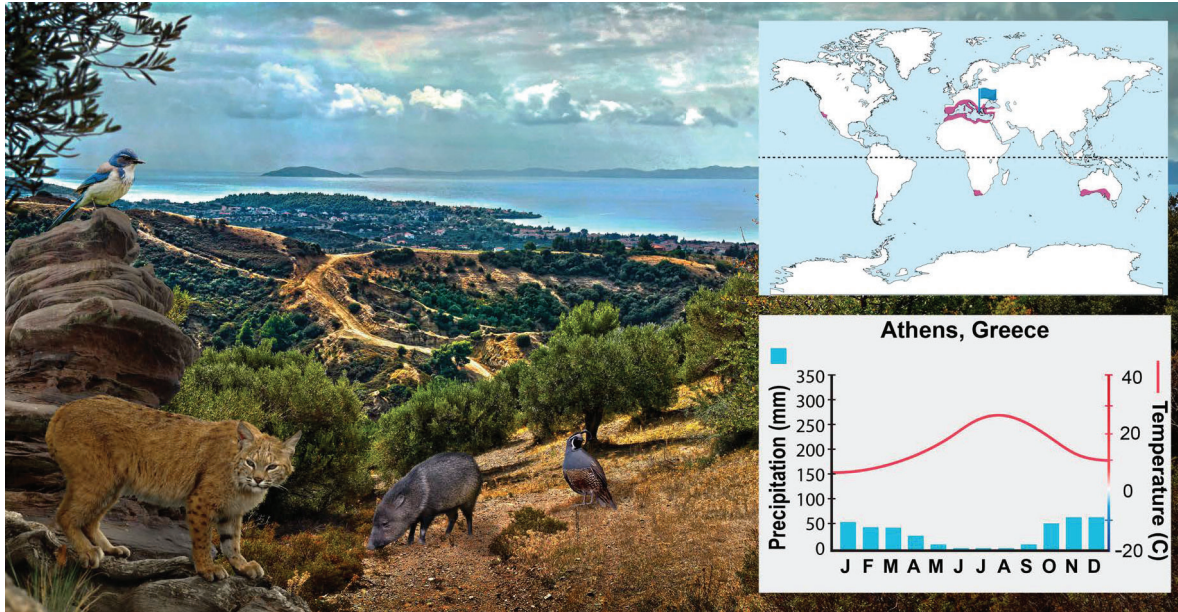


TOPIC: TERRESTRIAL BIOMES: TEMPERATE REGIONS

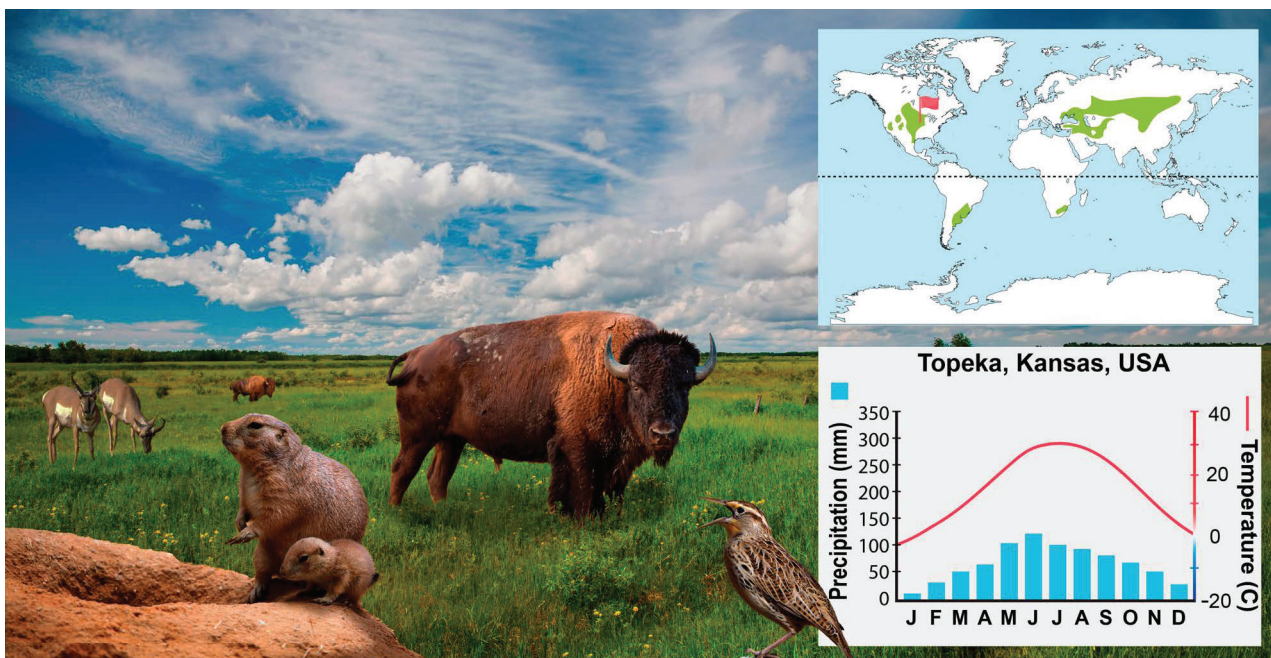
Chaparrals

- ◆ Dominated by shrubs & small trees; occur in midlatitude _____ regions.
 - Have “Mediterranean-type” climates (hot, dry summers & mild, wet winters).
 - Similarly to savannas , _____ are a common disturbance in chaparrals.



Temperate Grasslands (Prairie/Steppe)

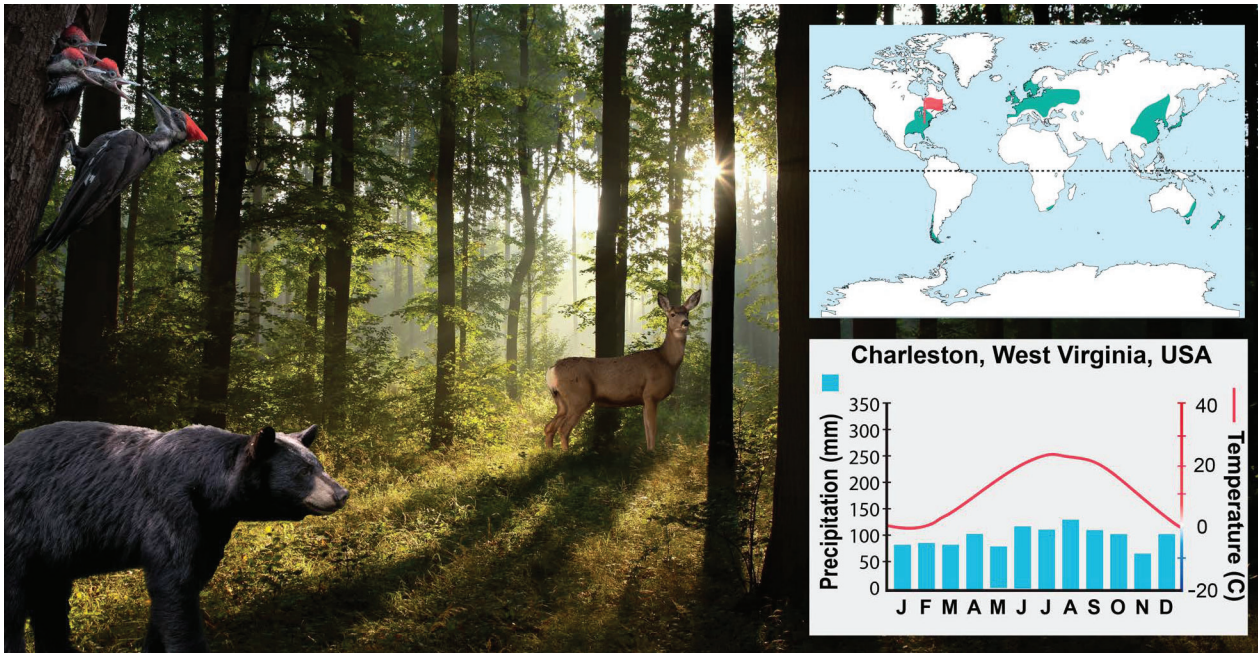
- ◆ Dominated by vast expanses of grasses; high annual temperature variation with cold winters & hot summers.
 - Significant tree growth is _____ by dry conditions & periodic wildfires.



TOPIC: TERRESTRIAL BIOMES: TEMPERATE REGIONS

Temperate Broadleaf/Deciduous Forests

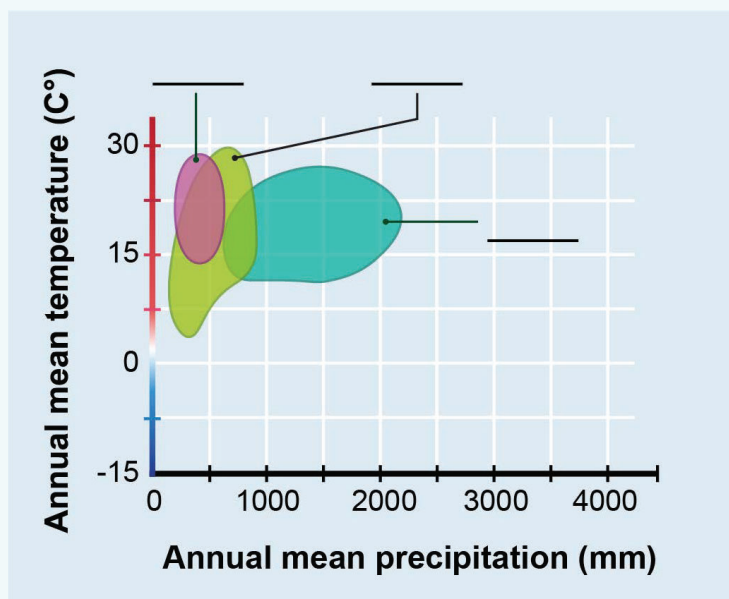
- ◆ Dominated by _____ trees, which lose their leaves in winter as temperatures drop.
 - Moderate productivity & biodiversity, as _____ does NOT support year-round photosynthesis.



EXAMPLE

Appropriately label each biome on the following climograph.

- Chaparrals.
- Temperate Broadleaf/Deciduous Forest.
- Temperate Grasslands (Prairie/Steppe).



TOPIC: TERRESTRIAL BIOMES: TEMPERATE REGIONS

PRACTICE

Temperate broadleaf forests & temperate grasslands tend to have similar annual _____.

However, temperate broadleaf forests can support denser vegetation as they experience more _____.

-
- a) Temperature; precipitation.
 - b) Precipitation; disturbances.
 - c) Temperature; disturbances.
 - d) Precipitation; biodiversity.

PRACTICE

Coastal regions of California have warm summers, mild winters, and a Mediterranean climate. They experience very little precipitation in summer, leading to frequent wildfires and supporting drought-resistant shrubs. Which biome takes up most of coastal California?

-
- a) Temperate broadleaf forest.
 - b) Temperate grassland.
 - c) Savanna.
 - d) Chaparral.

PRACTICE

Which of the following is the reason that temperate broadleaf forests have less biodiversity than tropical rainforests?

-
- a) Temperate broadleaf forests lack vertical layering, resulting in fewer diverse habitats.
 - b) In tropical rainforests, constant warm temperatures & abundant rainfall allow year-round photosynthesis.
 - c) Temperate broadleaf forests are geographically isolated from other biomes.
 - d) All of these are correct.