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The **earlier arrival** of spring changes the **life cycles** of many plants that provide food and habitat for other species

Many species won't be able to

adapt quickly enough to changes in their

environment



Northern ecosystems

are vulnerable to habitat loss and could see an influx of new species and diseases from the south

Habitat fragmentation

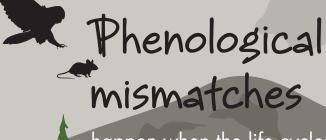
Biodiversity is about

and their relationships

living things

happens when natural landscapes are broken up by development such as river dams and highways, which can interrupt migration routes

More CO₂ in the atmosphere and higher temperatures could lead to longer growing seasons for forests



happen when the life cycles of dependent species change and no longer match up

E.g., migratory species arrive at a site after their prey has passed



Range contraction

when already limited habitats change and shrink further

Habitat destruction

In **prairie ecosystems**, more droughts will likely harm the growth of natural grasslands

Extreme storms and rising sea levels can cause coastal squeeze





Climate change can lead to competition for resources among species, as well as bigger and more frequent infestation outbreaks



Hybridization

is the mixing of different but similar species, and can drive rare species to extinction or increase adaptability



Climate change causes harmful algae growth in **marine ecosystems**, which are also at risk of pollution, commercial fishing and wetland drainage

Preservation through adaptation

Protect - nature reserves and marine sanctuaries **Connect** - wildlife crossings, bridges and corridors **Restore** - selective fishing, animal breeding programs







