

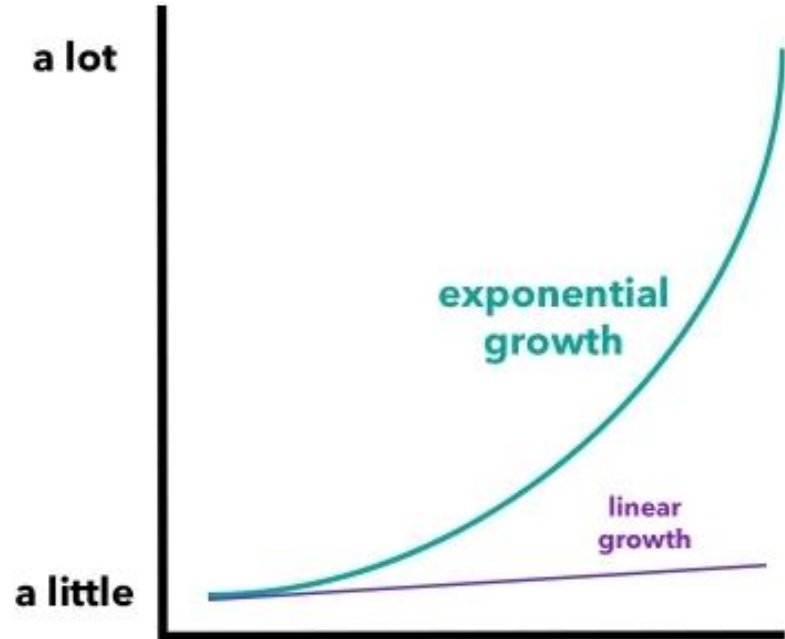
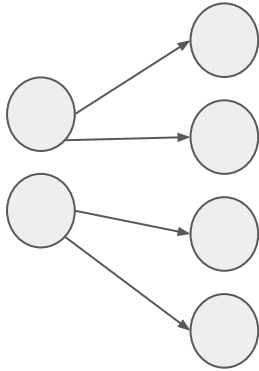
Populations, again.

It's important. Write it down.

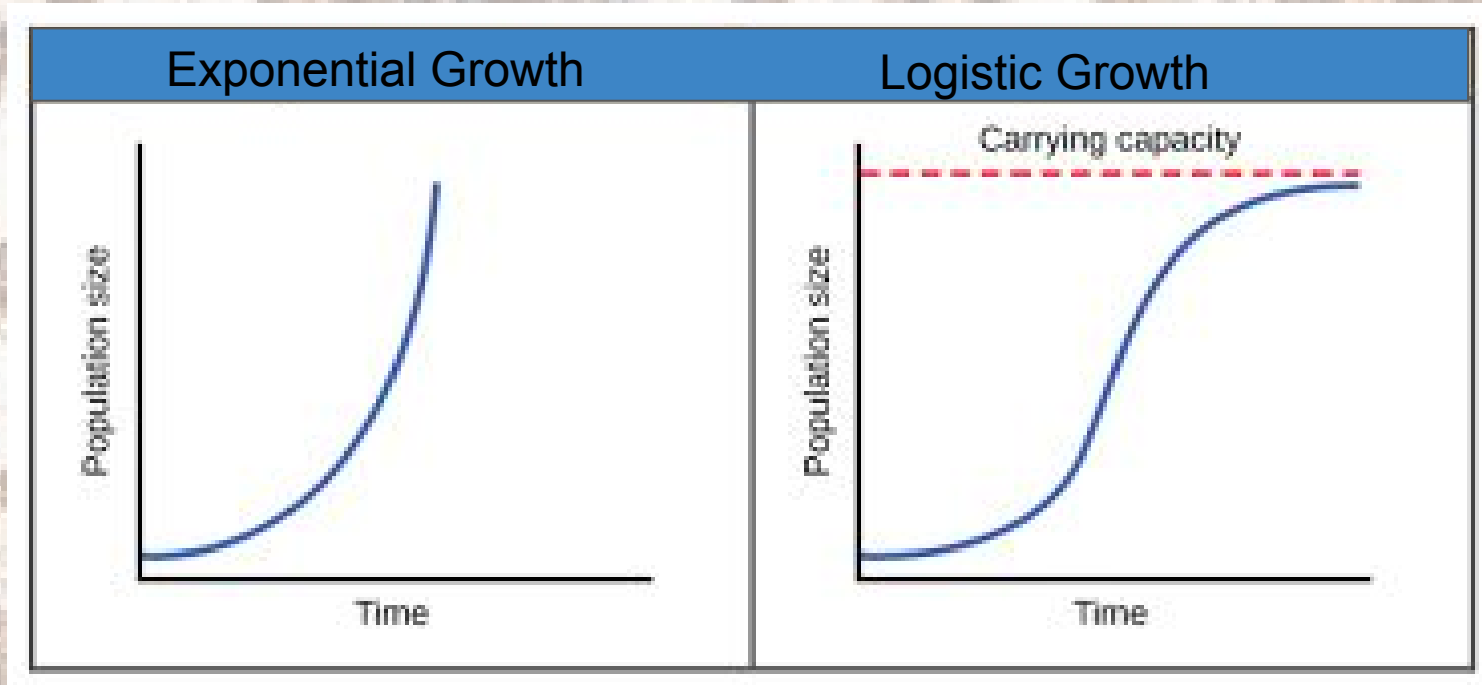
Exponential Growth

If there are no **limiting factors**, a population will grow and each generation will be larger than the last.

“The larger a population gets, the faster it can grow!” -Why?

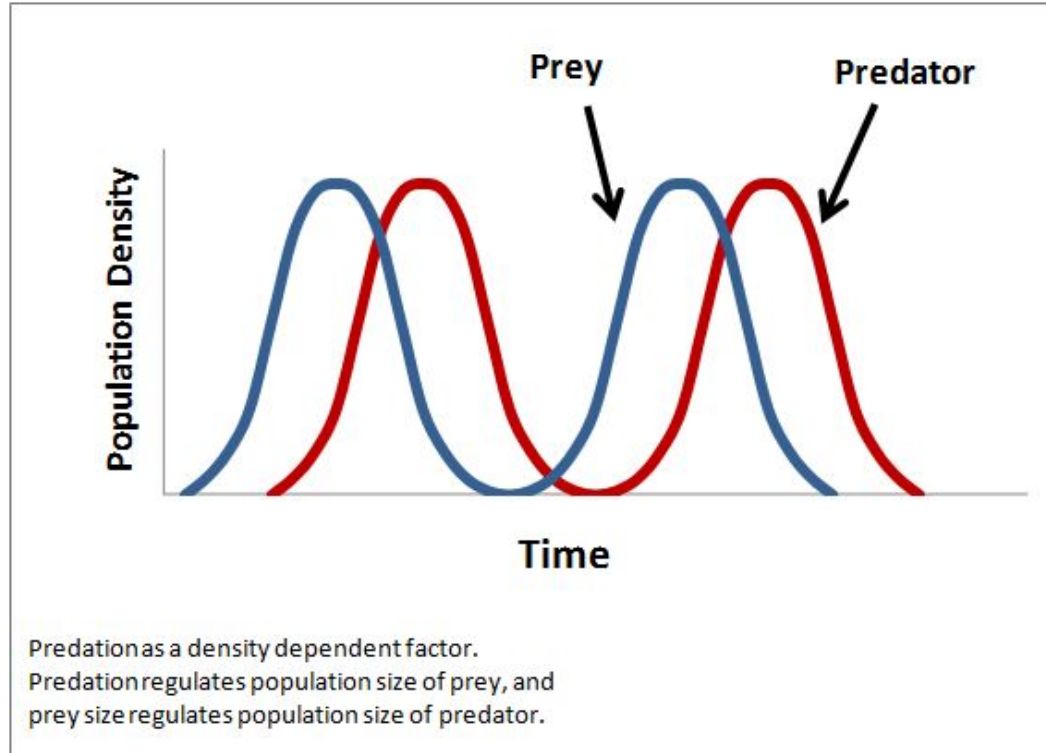


What factors limit exponential growth?



Predation: Keeping critters in check

<https://www.natureworkseverywhere.org/resources/wolves-of-yellowstone/>



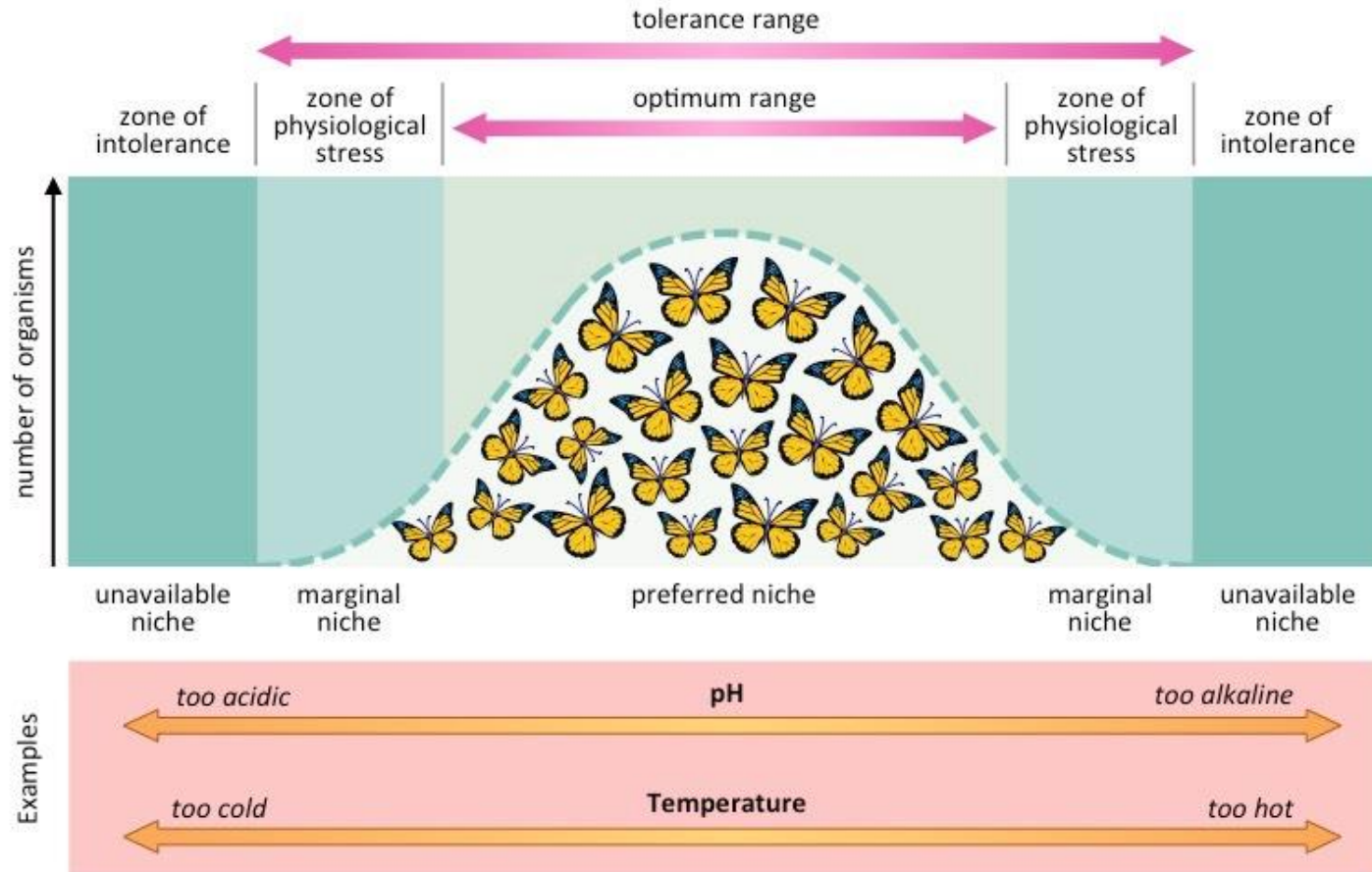


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What factors determine the limits of a species' geographic range?

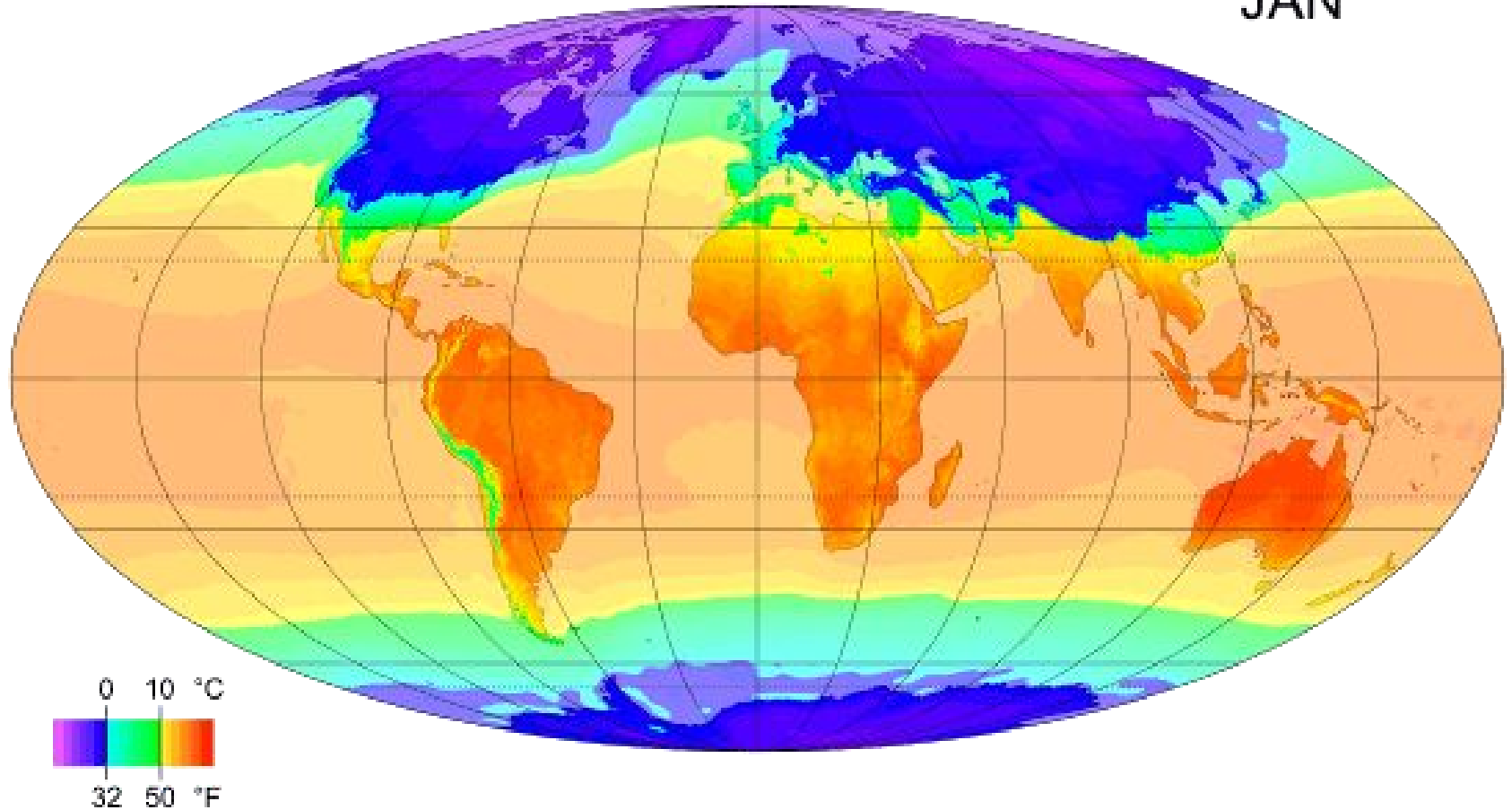


Tolerance = the range of an abiotic condition that a species can survive in

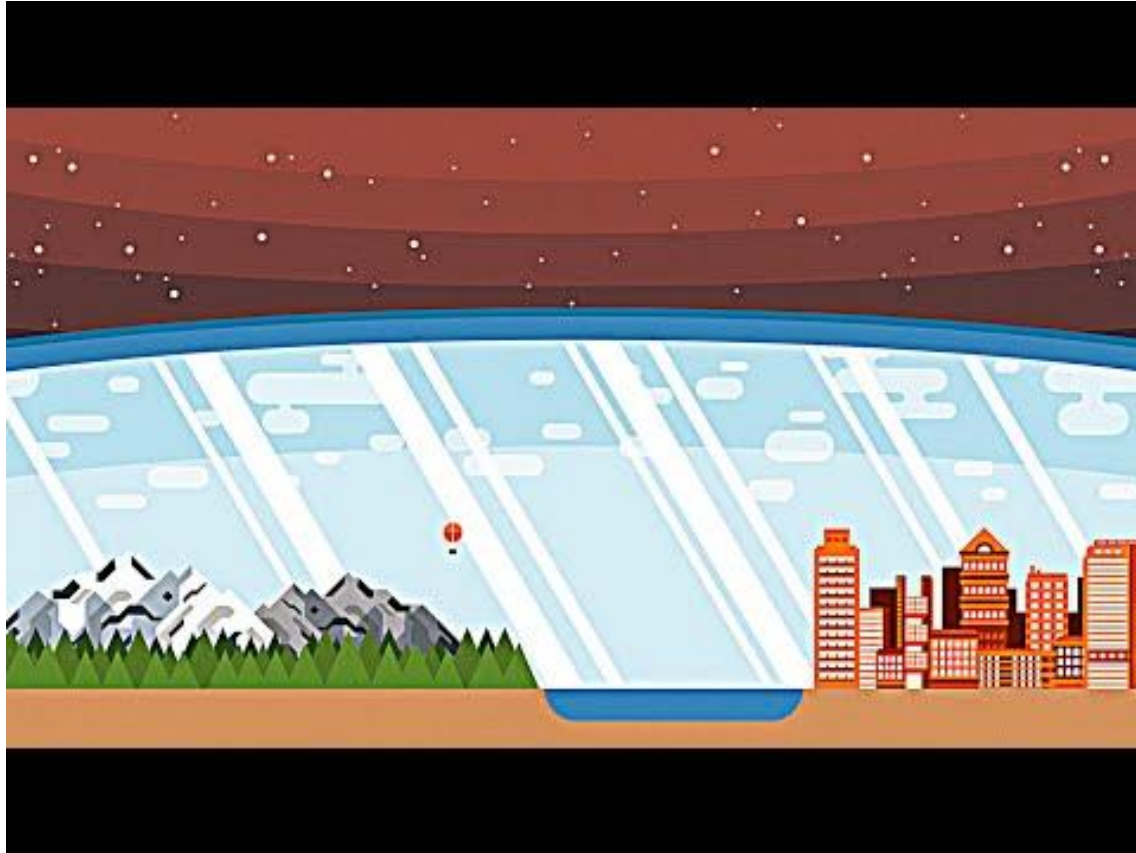


Climate = long term patterns of weather

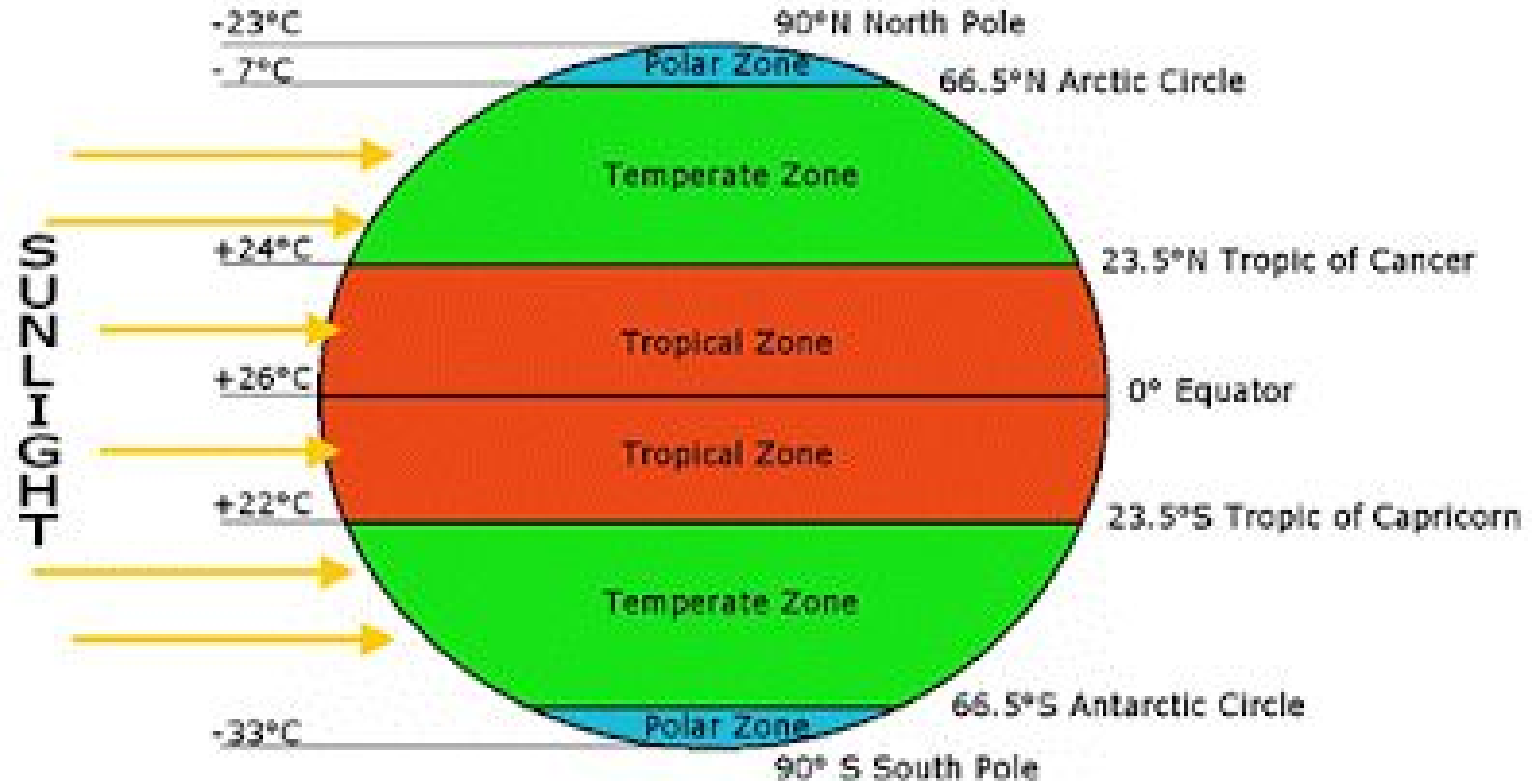
JAN



What determines global temperature?



What influences temperature patterns locally?



Heat Transport

Differences in heat distribution around the globe create wind and ocean currents, which transport heat and moisture.

Warm air _____ ; Cold air _____. Moving air creates winds.

When air moves over water, it picks up _____. Water has a high heat _____, so it can warm up or cool down the air around it. Land near oceans has smaller fluctuations in temperature!

Biomes = communities of ecosystems with a similar climate.

*Biomes are described by _____ factors like climate and soil type, and _____ factors like plant and animal life.

*Within each biome is a variety of ecosystems with different plant and animal communities, due to differences in factors like elevation and surface water.

*Organisms will live in the ecosystems/biomes that match their _____ level.

Lab Report

Question: How does _____ affect
_____?

IV:

DV:

Hypothesis: If _____, then
_____, because.....

Choose a Good Title Here

