

Objectives





• Define "desert"

Explore Baja's desert

Learn how plants and animals survive









What is a Desert?

- Dry
 - Low rainfall (P<10")</p>
 - High evaporation (E>P)
 - Dessicating winds
 - Poor soils
- Hot or cold (below 0° to over 140°)
- Below sea level to more than 8,000 ft



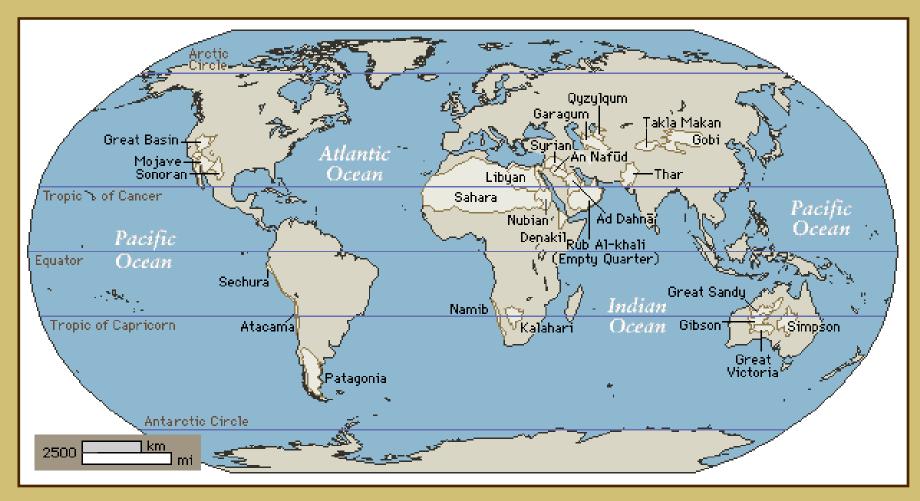
What is a Desert?

A place where water is severely limiting to life most of the time, where the plants and animals are adapted to chronic aridity and the arid conditions are necessary to maintain the community's structure.





Deserts of the World



Source: http://encarta.msn.com/media_461530118/World_Desert_Regions.html



North American Deserts



Source: www.mbgnet.net/sets/desert/ofworld.htm

Sonoran Desert Region The Sonoran Desert Region consists of the Sonoran Desert itself plus the surrounding biological communities, including the Sea of Cortez (Gulf of California) and its islands San Diego Tijuana Ensenada. DESERT MÜSEUM Great Basin Desert Chaparral & Coastal Scrub Oak Woodland & Pine Forest Sonoran Desert Mohave Desert Tropical Deciduous Forest Thornscrub Chihuahuan Desert © 2006 ARIZONA-SONORA DESERT MUSEUM

The Sonoran Desert

- Binational (5 states)
- ±120, 000 sq. mi.
- 0 to 4500 feet
- <32° to >130°
- 3-15" avg. rainfall













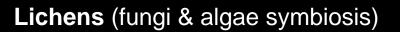






Pacific Coast Fog Zones













Mammals

- Bobcat and mountain lion
- Coyotes and foxes
- Bats and rodents
- Pronghorn antelope
- Bighorn sheep











Reptiles and Amphibians

- Horny toads & lizards
- Snakes
- Frogs & toads











Crawly Things

- Scorpions & spiders
- Beetles & bugs
- Ants, bees & wasps
- Caterpillars











Birds

- Hummingbirds
- Raptors: hawks & owls
- Scavengers
- Perching birds

















Ouchy Things

- Many endemics
- Long-lived
- Slow growing
- Succulent









Yikes! That Sun is



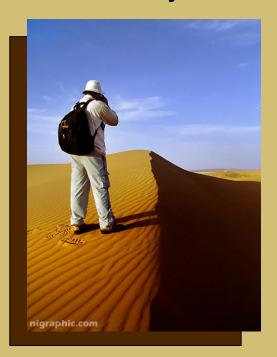


Avoid this



Do this instead...

...or better yet...





Adaptations

- Coloration
- Water retention
- Heat reduction
- Protective covering
- Hibernation





Adaptations

- Small and deciduous leaves
- Green stems
- Thick trunks
- Reflective hairs
- Sticky glands, wax and sap
- OUCH!! SPINES!



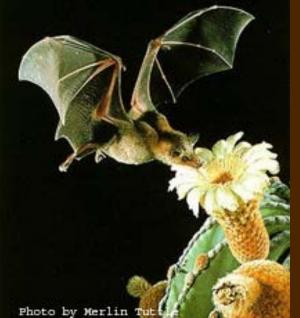












Interdependence

- Pollinator-plant
- Larval food source
- Recycling (knee deep in poop)





Ocean Oasis

- Pyramid of Life
- Desert Life



¡Gracias! ¡Los veo en Baja!

This presentation is available at: www.lasecomujeres.org