

Objectives:

Discuss causes of ultraviolet-B radiation

Discuss effects of ultraviolet-B radiation on amphibiar populations.

iscuss amphibian defenses to ultraviolet-B radiation

Discuss why this is the most detrimental cause of implubian decline.

Discuss who this decline may effect and why we should care.

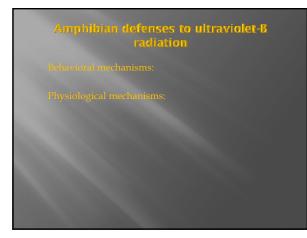
Tauses of ultraviolet-B radiation

man-induced production and release of orolluorocarbons and other chemicals

olcanic activity

npact from comets and asteroids, solar flares, and flur cosmic events

Effects of ultraviolet-B radiation on amphibian populations. Mutations and cell death Decreases hatching success of some species Slows growth rate Impairs immune system

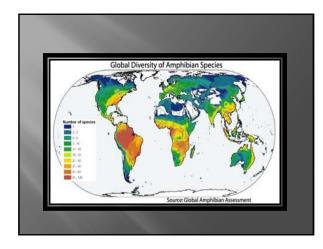


Why is ultraviolet-B radiation the most serious cause of amphibian decline?

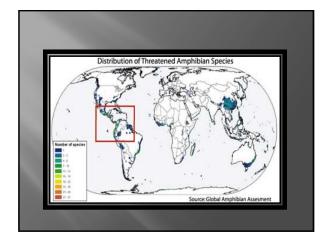
Covers ALL habitats of amphibians

Most persistent decline factor

- Can effect an entire species not just a localized
- Damage to the ozone layer that causes UV-B radiation







Who will this decline effect? Why should we care about it?

Unknown amount of people and other species effected What species will be next to fall to UV-B radiation? What possible disease cures will be lost with the loss of these species?

