

Biodiversity

What does "Bio" mean? Bio =

What does "Diversity" mean? Diversity =

I. Biodiversity =

- A. It measures the variety of _____ in different _____ among living things from trees to bacteria.
- B. Biodiversity on Earth is made possible by _____ among living things from trees to bacteria.

II. There are Three Levels of Biodiversity

- A. _____ - differences in gene (DNA) composition among individuals
- a. Results in the _____ species having _____ traits
- b. More _____ helps populations survive changes in the environment.

Humans are the same species but have different traits like skin color.

- B. _____ - the number or variety of species in an ecosystem

(Terms used to describe Species Diversity)

a. **Species Richness** =

b. **Species Evenness** =

c. _____ – measures diversity of species in an area; the closer to 1, the more diverse the area is

= TOTAL Number of Different Species (species richness)

TOTAL Number of Organisms Counted

What areas on earth have the most species diversity? High degree of species richness?
