

Topic 1 - Biological Diversity and Survival

- The number and variety of species and ecosystems on the Earth and the ecological processes of they are a part of refers to ...
 - genetics
 - variability
 - biological diversity
 - ecosystem speciation
- The most successful life form seems to be the insect. It is a **species** - a particular group of organisms that have the same structure and can...
 - have the same predators
 - consume the same food supply
 - live in the same area
 - reproduce with each other
- There are many different species that can potentially help other species, like  the Pacific Yew tree, by producing cancer treatment medicine which is extracted from its bark, called ...
 - Taxol
 - Aspirin
 - Tylenol
 - Motrin
- The main components of biodiversity occurring within organisms at a cellular level, as it describes the variety of life producing material carrying the variation information in all living things is called ...
 - Ecosystem diversity
 - Community diversity
 - Species diversity
 - Genetic diversity
- Every organism needs to adapt in order to survive in its environment. There are two types of adaptations -structural and behavioral. Which of the following is a structural adaptation?
 - feathers
 - predation
 - migration
 - hibernation
- Foresters might decide to burn one part of a forest because...
 - disease is likely to kill off all the trees in the forest, so they give nature a helping hand
 - sacrificing one part of the ecosystem to save the main parts is also necessary sometimes
 - habitat is increasing to such an extent that some forest species have to be displaced
 - interspecies reproduction might destroy the natural forest ecosystem balance
- This compares kinds of species in a certain area with the total number of organisms in that same area, or ecosystem. It is primarily used to check on the health of an ecosystem – a healthy ecosystem has a
 - low diversity index
 - high diversity index
 - high variation level
 - low variation level