

Question: Why should we need to conserve biodiversity?

Or, What is biodiversity ?What role does it play in an ecosystem ?

Answer: The variety of plant and animal life in the world or in a particular habitat is called What is biodiversity.

Plants and animals depend on each other for their survival. If we disturb any of them will affect the life of each other. Hence, we need to conserve biodiversity to maintain the balance of nature.

Question: Differentiate between the Wildlife sanctuary and biosphere reserve.

Answer: Wildlife sanctuary it is an area within which animals are protected from possible dangers such as hunting. Their habitat is also conserved in this area. It provides protection and suitable living conditions to wild animals. Pachmarhi sanctuary is a wildlife sanctuary.

Biosphere reserve It is a large protected area constructed for the conservation of biodiversity. It helps in the conservation of various life forms such as plants, animals, and micro-organisms. Pachmarhi biosphere reserve is a popular biosphere reserve

Question: Name the first national park of India? When it was it established?

Answer: A national park is protected land area that provide natural habitat to wild life. Jim Corbett National Park is the first national park of India established in 1936.

Question: What is the effect of deforestation on rainfall and climate?

Answer: Deforestation increases temperature and wind velocity that reduce rainfall. These changes led to climate change.

Question: Why is Gahirmatha Turtle Sanctuary in Orissa famous?

Answer: Gahirmatha is the only marine wildlife sanctuary of Orissa. Olive Ridley sea turtles migrate in huge numbers

Question: Why is Kaziranga National Park famous ?

Answer: Kaziranga National Park a world heritage site is famous for the Great Indian one horned rhinoceros.

Question: what is the difference between biodiversity and ecosystem?

Biodiversity refers to the variety in the number and type of organisms found in a given habitat.

Ecosystem is a group of organisms which not only interact with each other but also with their physical environment.

**Question:** What are the difference between national park and wildlife sanctuary?

**Answer:**

National Park	Wildlife sanctuary
it protect both plants and animals	it protect only animals
Tickets or permissions are required to enter into a national park.	Tickets or permissions are not required to visit a wildlife sanctuary
A national park has a definite boundary.	A wildlife sanctuary does not have a specific boundary
Example: Jim Corbett national park (Gujarat)	Example: Krishna wildlife sanctuary (Andhra Pradesh)

**Question:** What is the difference between biosphere reserves sanctuaries national parks and zoos?

**Answer:** Biosphere Reserves are large areas for conservation of biodiversity, which include both wildlife and plants.

Wildlife Sanctuary is an area which is free from disturbances from human activities, and is devoted for the conservation and protection of only wildlife.

National Parks are those reserved areas where no human activity is allowed at all and the purpose of a national park is to preserve the plants, animals, landscape, and the historic objects of that area.

A zoo or zoological park is a facility in which animals are confined within enclosures, displayed to the public, and in which they may also be bred.

**Question:** What is conservation? How is it different from preservation?

**Answer:** Conservation means controlled and sustainable use of natural resources whether they are renewable or non renewable. On the other hand preservation refers to the, attempts made to maintain in their present condition and protect them from any harm or decay.

**Question:** How does deforestation reduce rainfall on the one hand and lead to floods on the other?

**Answer:** When we cut trees, the water that was going to the atmosphere through transpiration is no more making clouds. So, rainfall does not occur.

The roots of the trees are able to hold water. When we cut trees, the flow of water cannot be avoided. Therefore, in this way deforestation leads to floods.

**Question:** What are the possible causes of extinction of animal species?

**Answer:** Causes for the extinction of species are:-

1. Sudden change in the climatic conditions due to deforestation.
2. Acid rain.
3. Diseases/epidemic.
4. Changes in the sea levels and currents.
5. Exposure to Cosmic radiations.

**Question:** On what basis rare animals classified on the basis of IUCN?

**Answer:** IUCN (The International Union for Conservation of Nature) is a global environmental organisation that works to conserve natural environment.

Rare species (R) of animals are classified as rare on the basis of their present and past distribution, decline in the population with course of time, abundance and quality of their natural habitat and their potential to reproduce. Rare species have small population and are scattered in the world. For example- Golden cat.

**Question:** What is flora and fauna?

**Answer:** The term flora is used to denote plants of a particular region or period. Similarly, the species of animals are referred to as fauna. It includes trees in the forests and grasslands as well as trees grown by humans. It includes amphibians, reptiles, mammals, small insects and worms