

Threats over biodiversity

- Today there are more species than the past geological era.

Habitat destruction not only cause species extinction but also cause decrease in population size which results in loss of genetic diversity.

The death of the last individual of the species on Earth -**EXTINCT.**

- The only known living members are being kept in captivity (in zoo, botanical garden etc.) or they no longer live in their normal habitat –

Extinct in the wild

- **Local extinction**
- **Regional extinction**
- **Ecological extinction**

Mass extinctions of past

Mass extinctions caused by human at present

How many species has been extinct because of habitat destruction is
unknown

Extinction probability of some species is higher than the others. Overharvesting and the other factors increase the vulnerability of species.

The species having populations with small sizes and sparse distribution are more susceptible for extinction.

Natural Extinction rates

99% of extinctions are related directly or indirectly with human activities.

Extinction rates in islands

Because of the small size of the distribution areas, number of populations and the number of individuals extinction rates are high.

Local extinctions