

Conservation

Define a sustainable resource.

Conservation

Which two resources can be managed sustainably?

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How can forests be conserved?

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How can fish stocks be conserved?

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Why use a larger net mesh size?

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Causes of endangerment and extinction?

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Four ways to conserve endangered species?

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What is a seed bank?

Forests and fish stocks.	One produced as rapidly as it is removed from the environment so that it does not run out.
Education, closed seasons, protected areas, controlled net types and mesh size, quotas and monitoring.	Education, protected areas, quotas and replanting.
Climate change, habitat destruction, hunting, overharvesting, pollution and introduced species.	Young fish escape and can grow and breed.
A store of seeds of rare plants, kept so plants can be grown if wild populations are lost.	Monitoring and protecting species and habitats, education, captive breeding programmes, seed banks.

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What is artificial insemination (AI)?

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What is IVF?

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**Reasons for conservation
programmes?**

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Risk of a small population?

Fertilisation of eggs by sperm outside the body; embryos are then placed into a female to develop.

Sperm is collected and placed into a female by people, without natural mating.

Reduced genetic variation, so disease or environmental change may kill all individuals.

Maintain biodiversity, reduce extinction, protect vulnerable ecosystems, maintain nutrient cycling and resources (food, drugs, fuel, genes).