

- Only studying plants in seedbanks however can lead to limited data to a small amount of interbred populations, data may not be representative
- Zoos
 - Increases knowledge of the behaviour, physiology and nutritional needs of animals, this knowledge can be used to help animals in the wild
 - Can carry out research that is not possible for some species in the wild
 - Disadvantage is that captive animals may act differently to those in the wild and therefore it may not be appropriate to generalise

Education people about conserving biodiversity

- Help to raise public awareness and interest
- Zoos let people get close to organisms therefore increasing their enthusiasm from conservation work
- Seedbanks help by educating people by providing training and setting up local seedbanks – Millennium Seed Bank Project

Practise questions

1. What is conservation?
Conservation is the protection and management of an endangered species
2. Suggest two advantages of storing seeds in a seedbank, rather than storing growing plants
One advantage is that they are seeds are cheaper to store, another is that less labour and management is required on seeds than plants
3. The sand lizard is a threatened species in the UK. Captive breeding and reintroduction programmes are being used to increase their numbers in the wild. Suggest four problems that could be involved with captive breeding and reintroduction of sand lizards to the wild.
One problem is that you may introduce new diseases to habitats, which harms other organisms living there. Another problem is they may not behave as they would in the wild if they have been bred in captivity which would lower their chances of survival. Another problem is it's hard to recreate the animals natural habitat in the wild in a captive centre, meaning there is less chance of the animals breeding. Finally it may be considered cruel to take animals out of their natural habitat.

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