



Pakistan School
Kingdom of Bahrain

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THANKS FOR JOINING US!



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

BIOLOGY

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Ch. 3. BIODIVERSITY

▣ Topic. Conservation
of
Biodiversity

Introduction

- ▣ During the last century, loss of biodiversity has been increasingly observed. In the modern era, due to human actions, species and ecosystem are threatened with destruction.
- ▣ In an ecosystem, a species is called EXTINCT when there is no doubt that the last individual of that species has died in that ecosystem. Eg. Sabre-toothed tiger, Tasmanian Tiger etc.
- ▣ A species is called ENDANGERED when it is at risk of extinction in near future. Eg. Tiger, lion, elephant, blackbuck etc.

Objectives of the Lesson

- ▣ At the end of this lesson students will be able to
- ▣ **Describe the impact of human beings on biodiversity.**

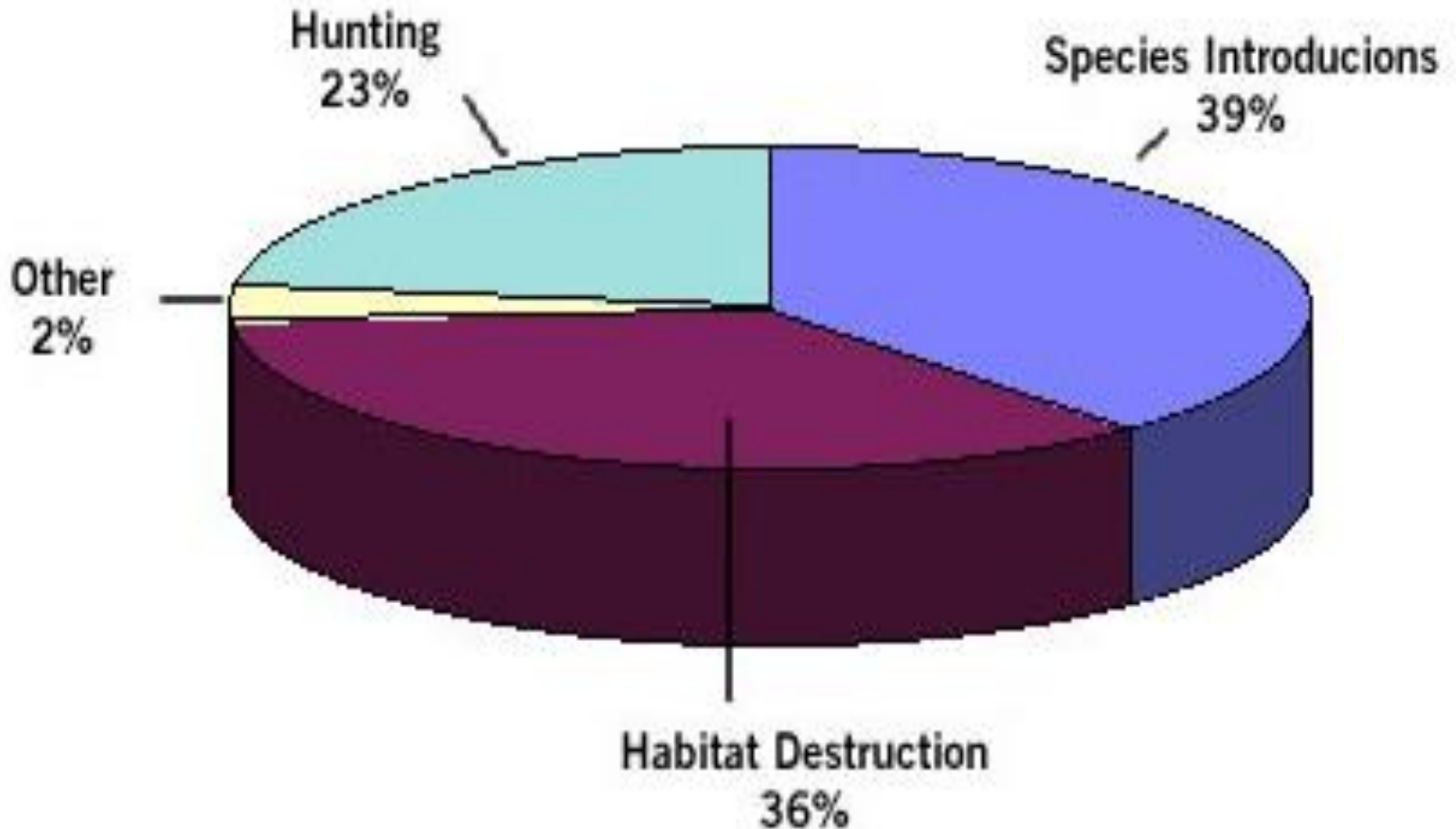
1. Human population.

- ▣ About 10,000 years ago there were about 5 million people on earth.
- ▣ With the advancement in agriculture and industry, human population began to grow rapidly and around more than 600 million people live on earth today.
- ▣ More than 260,000 people are added to the world each day.

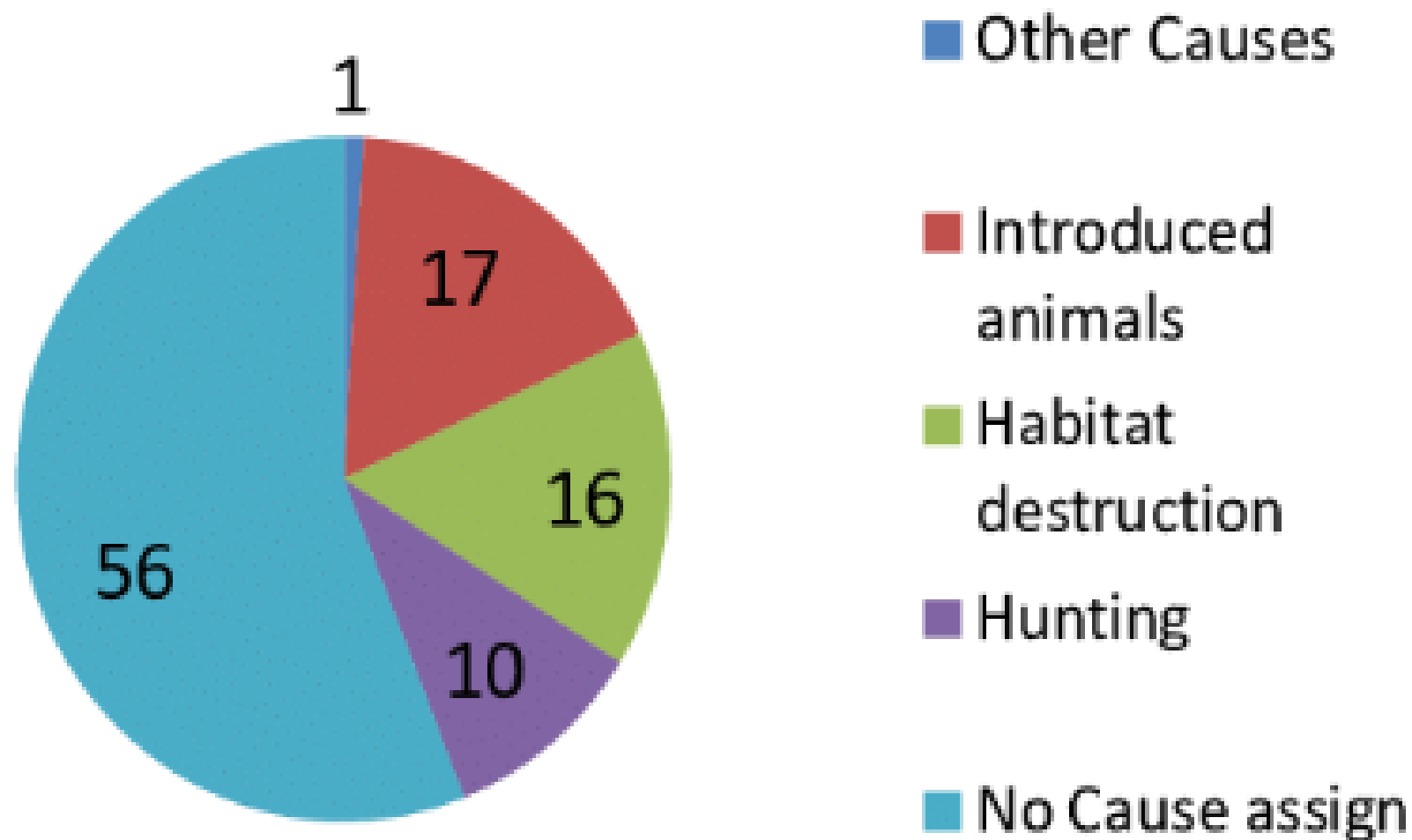
Major Causes of Species Extinction

- ▣ There are following major causes of species extinction.
 - i. **Habitat loss**
 - ii. **Deforestation**
 - iii. **Over-hunting**
 - iv. **Removal of species**
 - v. **Pollution**
 - vi. **Climate change**

Known causes of Species Extinction



✕ *Percentage of different factors*



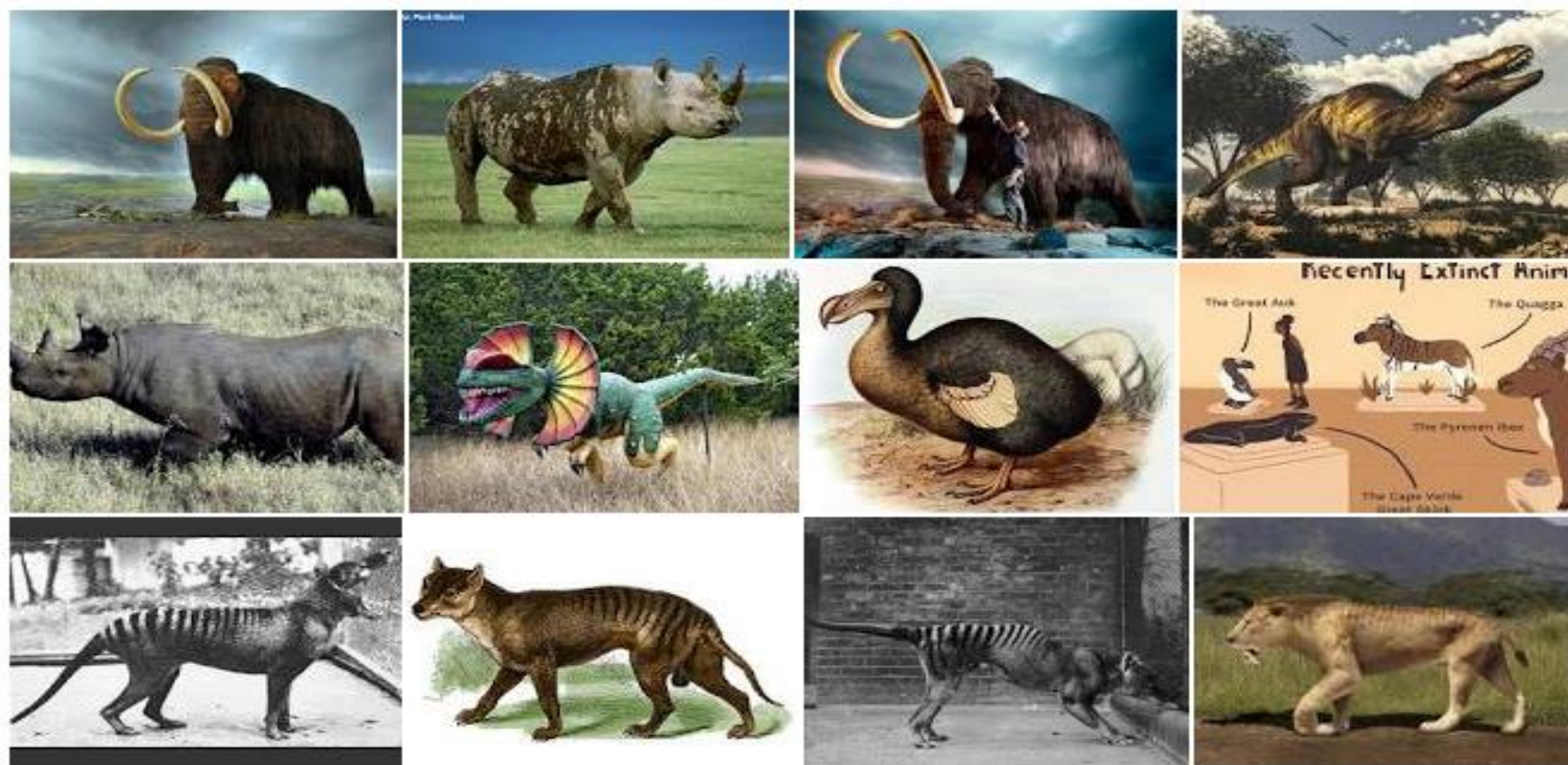
Deforestation

- ▣ **Definition.** Deforestation means cutting down of trees for the conversion of a forest to non forest land.
- ▣ **Causes.** It can be the result of deliberate removal of forests for wood, agriculture or urban development.
- ▣ **Effects.** -Deforestation affects the amount of water in soil and moisture in atmosphere.
 - Soil erosion is due to deforestation.
 - Deforestation can cause the silted water stored in rivers and dams.
 - Deforestation reduces the rate of transpiration and ultimately reduces the sources of rains.

Over-hunting

- ▣ Over- hunting has been a significant cause of the extinction of hundreds of species and the endangerment of many more species such as whales, ibex, urial, markhor etc.
- ▣ Commercial hunting both legal and illegal is the principal threat for all species.

Some pics of extinct species



Some pics of endangered species



Activity. 1.

- ▣ Give short answers of the following questions.
 - i. Differentiate between extinct and endangered species.
 - ii. Define deforestation. What are its main causes?
 - iii. Deforestation reduces the chances of rain. How?

Activity. 2.

- ▣ Fill in the blanks.
 - i. Today the total human population in the world is more than-----million.
 - ii. Our rivers and dams are silted due to-----
-----.
 - iii. -----loss is the greatest threat to -----
-----on earth today.

Closure

- ▣ Today we have discussed the topic-----
-----.
- ▣ A species is called -----when it is at risk of extinction near future.
- ▣ When the last member of a particular species dies,the species is said to be-----.

Home Work

- ▣ Analyze the impact of human beings on biodiversity.
- ▣ Make a list of ten endangered and ten extinct species by internet searching.

THANK
YOU!

THE END