

E. Plant & Animal Resources

Plant & Animal Resources

Plants and animals are essential resources that provide many things that we need to live. Let's explore the ways in which plants and animals benefit us and how we can take care of these valuable resources.

Plants as Resources

Plants are incredible resources that play a crucial role in our lives. They provide us with food, oxygen, shelter, and materials for various products.

1. Food

Many of the foods we eat come from plants. Fruits, vegetables, grains, nuts, and seeds are all examples of plant-based foods that provide us with essential nutrients and energy.

2. Oxygen

Plants are the only living things on Earth that can produce oxygen through a process called photosynthesis. They take in carbon dioxide, a gas we breathe out, and release oxygen into the air, which we need to breathe.

3. Shelter

Plants such as trees provide shelter and habitat for various animals. They also give us materials like wood, which we use to build houses and make furniture.

4. Materials

Plants are used to make various materials such as cotton for clothing, paper for books and writing, and rubber for tires.

Animals as Resources

Animals are also valuable resources that provide us with many benefits.

1. Food

Just like plants, animals are a source of food for us. We get meat, eggs, milk, and other products from animals that are part of our diet.

2. Clothing

Some animals provide us with materials for clothing, like wool from sheep and leather from cows.

3. Companionship

Many animals, such as pets, provide us with companionship and emotional support.

4. Work and Transportation

Throughout history, animals have been used for work and transportation. For example, horses were used to pull carriages and plow fields.

Conserving Plant and Animal Resources

It is essential to take care of our plant and animal resources to ensure they continue to benefit us and future generations.

1. Protecting Habitats

Preserving natural habitats is crucial for the survival of plants and animals. By protecting forests, oceans, and other ecosystems, we safeguard the diverse plant and animal species that live there.

2. Sustainable Practices

Using resources sustainably means using them in a way that meets our needs without depleting or harming them. For example, replanting trees after harvesting them for wood ensures a continuous supply of this valuable resource.

3. Reducing Waste

Reducing waste and recycling are essential practices to minimize our impact on the environment and conserve resources.

4. Protecting Endangered Species

Some plant and animal species are at risk of extinction. Taking measures to protect endangered species is vital to maintain the balance of ecosystems and the biodiversity of our planet.

1. What gas do plants produce during photosynthesis that we need to breathe?
 - A) Oxygen
 - B) Carbon dioxide
 - C) Nitrogen
 - D) Hydrogen
2. Which of the following is NOT a plant-based food?
 - A) Grains
 - B) Fruits
 - C) Cheese

D) Vegetables

3. What do we get from animals to make clothing?

- A) Wool from sheep
- B) Cotton from plants
- C) Rubber from cows
- D) Silk from spiders

4. What is the process called when plants make their food using sunlight?

- A) Respiration
- B) Photosynthesis
- C) Digestion
- D) Germination

5. How can we protect plant and animal resources?

- A) By wasting resources
- B) By using resources unsustainably
- C) By protecting natural habitats
- D) By increasing pollution

6. Which resource is obtained from trees and used to build houses?

- A) Steel
- B) Plastic
- C) Wood
- D) Rubber

7. What is the term for using resources in a way that meets our needs without harming them?

- A) Recycling
- B) Sustainability
- C) Conservation
- D) Pollution

8. Why are some plant and animal species at risk of extinction?

- A) Because they are too common
- B) Because they are not useful to humans
- C) Because their habitats are being destroyed
- D) Because they are too large in numbers

9. Which animals are often used for transportation and work?

- A) Dogs
- B) Cats

- C) Horses
- D) Birds

10. What do plants take in during photosynthesis to produce oxygen?

- A) Carbon dioxide
- B) Oxygen
- C) Nitrogen
- D) Water



ANSWERS & EXPLANATIONS

1. A - Oxygen.
 - Plants produce oxygen during photosynthesis, which is essential for us to breathe.
2. C - Cheese.
 - Cheese is not a plant-based food. It is made from milk, which comes from animals.
3. A - Wool from sheep.
 - Wool is obtained from sheep and used to make clothing.
4. B - Photosynthesis.
 - Photosynthesis is the process in which plants make their food using sunlight, water, and carbon dioxide.
5. C - By protecting natural habitats.
 - Protecting natural habitats is an important way to conserve plant and animal resources.
6. C - Wood.
 - Wood is obtained from trees and used to build houses and make furniture.
7. B - Sustainability.
 - Using resources sustainably means using them in a way that meets our needs without harming them.
8. C - Because their habitats are being destroyed.
 - Some plant and animal species are at risk of extinction because their habitats are being destroyed or disrupted.
9. C - Horses.
 - Horses have been used for transportation and work throughout history.
10. A - Carbon dioxide.
 - Plants take in carbon dioxide during photosynthesis to produce oxygen.