



Introduction to Biodiversity

Welcome to the world of biodiversity! In this activity sheet, you will learn how to use digital tools such as iNaturalist, PlantNet, and eBird to identify and record species in your school environment. You will also create a food web using organism cards to visualize relationships between species.

Page 1: Species Identification

1. What is the main purpose of using iNaturalist in our lesson?

2. Describe the difference between a food chain and a food web.

3. What is PlantNet used for?

Page 2: Digital Tools

1. How do you use iNaturalist to identify a species?

2. What is the benefit of using eBird for bird identification?

3. How do you contribute to a global database of biodiversity using digital tools?

Page 3: Ecosystem Relationships

1. What is a food web?

2. Describe the role of producers in an ecosystem.

3. What is the impact of human activities on biodiversity?

Page 4: Food Web Activity

Create a food web using organism cards to visualize relationships between species. Include at least 5 species and label each one.

[Space for food web activity]

Page 5: Conservation and Sustainability

1. What is conservation?

2. Why is it important to protect biodiversity?

3. What are some ways to reduce our impact on the environment?

Page 6: Citizen Science

1. What is citizen science?

2. How can you contribute to citizen science projects?

3. What are the benefits of participating in citizen science?

Page 7: Reflection

1. What did you learn about biodiversity and ecosystem relationships?

2. How can you apply what you learned to your daily life?

3. What would you like to learn more about in future lessons?

Page 8: Creative Activity

Create a poster or drawing that illustrates the importance of biodiversity and ecosystem relationships. Include at least 3 species and their relationships.

[Space for creative activity]

Page 9: Quiz

1. What is the name of the digital tool used for plant identification?
 - a) iNaturalist
 - b) PlantNet
 - c) eBird
2. What is the role of decomposers in an ecosystem?
 - a) To produce energy
 - b) To consume energy
 - c) To break down dead organisms
3. What is the impact of climate change on biodiversity?
 - a) It increases biodiversity
 - b) It has no impact on biodiversity
 - c) It decreases biodiversity

Page 10: Conclusion

Congratulations! You have completed the activity sheet on exploring biodiversity with digital tools. Remember to always respect and protect the natural world, and to continue learning about the amazing diversity of species on our planet.

