

Introduction

Welcome to the Environmental Science and Gardening Assessment! This 45-minute assessment is designed to evaluate your understanding of environmental science and gardening concepts, with a focus on school gardens. You will have the opportunity to demonstrate your knowledge and skills through multiple-choice questions, short-answer questions, and a project-based question.

Section 1: Multiple Choice Questions

Choose the correct answer for each question.

1. What is the primary purpose of a school garden?
- a) To provide a recreational space for students
 - b) To teach students about gardening and sustainability
 - c) To promote physical education
 - d) To support local food systems

2. Which of the following plants is suitable for a school garden in Greece?
- a) Cactus
 - b) Olive tree
 - c) Tomato plant
 - d) All of the above

3. What is the role of composting in gardening?
- a) To reduce waste and create nutrient-rich soil
 - b) To increase water consumption
 - c) To decrease biodiversity
 - d) To promote pesticide use

Section 2: Short Answer Questions

Answer each question in complete sentences.

1. Describe the importance of school gardens in promoting environmental awareness and community engagement. (5 points)

2. Identify three types of plants that are suitable for a school garden in Greece and explain their benefits. (6 points)

3. Explain the process of composting and its role in reducing waste and creating nutrient-rich soil. (6 points)

Section 3: Project-Based Question

Design a basic school garden layout that incorporates a variety of plants, a composting system, and a water conservation strategy. Consider the climate and soil conditions in Greece and include a brief explanation of your design choices. (20 points)

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Jigsaw Activity

Group Task:

Work in groups to complete the following tasks:

- Research and identify different types of plants suitable for school gardens in Greece
- Create a diagram of a school garden layout that incorporates a composting system and a water conservation strategy
- Present your findings and design to the class



Assessment Rubric

The assessment will be graded based on the following criteria:

- Multiple Choice Questions: 1 point each
- Short Answer Questions:
 - Question 1: 5 points (2 points for content, 2 points for organization, 1 point for grammar and spelling)
 - Question 2: 6 points (3 points for content, 2 points for organization, 1 point for grammar and spelling)
 - Question 3: 6 points (3 points for content, 2 points for organization, 1 point for grammar and spelling)
- Project-Based Question: 20 points (10 points for design, 5 points for explanation, 3 points for creativity, 2 points for grammar and spelling)

Conclusion

Thank you for completing the Environmental Science and Gardening Assessment! Remember to review the feedback and guidance provided to improve your understanding of environmental science and gardening concepts.

Additional Resources

The following resources are available to support your learning:

- Diagrams of school garden layouts
- Examples of plants suitable for school gardens in Greece
- Information on composting and water conservation strategies

