



Introduction (5 minutes)

Welcome to the world of ornamental plants! In this lesson, we will explore the fascinating world of plants and learn about their specific needs and how to prepare the perfect soil for them to thrive.

What Do Plants Need to Grow? (10 minutes)

Plants need water, sunlight, air, and nutrients to grow. But did you know that different plants have different needs? Let's find out more!

1. What are the basic needs of plants?

2. How do different plants have different needs?

Activity 1: Plant Needs Sorting Game (15 minutes)

Sort the following plants into categories based on their needs:

- Roses
- Cacti
- Ferns
- Sunflowers

Category 1: Plants that need a lot of water

Category 2: Plants that need a lot of sunlight

Category 3: Plants that need well-draining soil

Answer Key:

- Category 1: Ferns
- Category 2: Sunflowers
- Category 3: Cacti
- Category 4: Roses (need a mix of water, sunlight, and well-draining soil)

Soil Preparation (10 minutes)

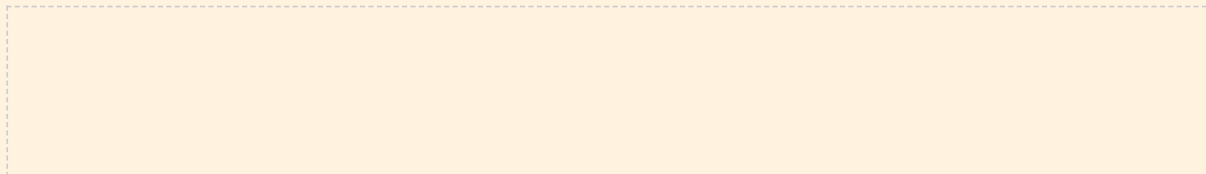
Soil is a crucial factor in plant growth. Different plants prefer different types of soil. Let's learn about the different types of soil and how to prepare them for our plants.

Activity 2: Soil Types Matching Game (15 minutes)

Match the following soil types with the plants that prefer them:

- Clay soil
- Sandy soil
- Loamy soil
- Roses
- Cacti
- Ferns

Match the soil types with the plants:



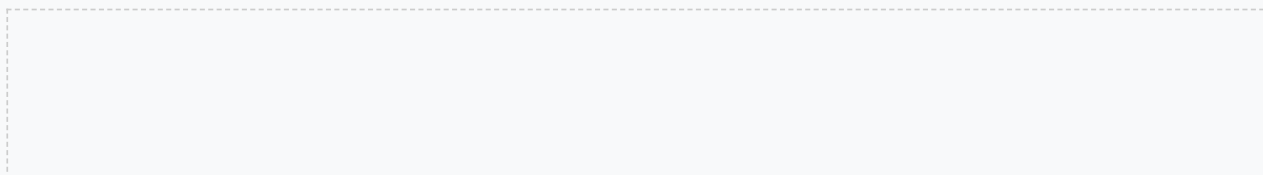
Answer Key:

- Clay soil: Ferns
- Sandy soil: Cacti
- Loamy soil: Roses

Designing a Garden (20 minutes)

Now that we know about plant needs and soil preparation, let's design a garden! Consider the following factors:

- Plant selection
- Soil type
- Sunlight and water requirements



Activity 3: Garden Design (25 minutes)

Design a garden that includes at least three different types of plants. Consider their needs and soil preferences.

Garden Design:

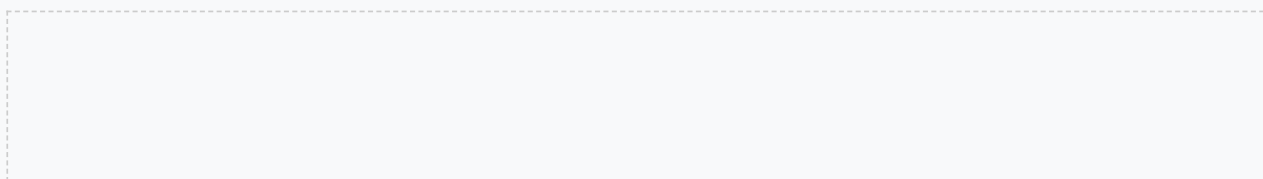


Tips and Resources:

- Use a variety of plants with different needs to create a diverse garden
- Research different soil types and their characteristics
- Consider using a garden planner or design tool to help with your design

Conclusion (10 minutes)

In this lesson, we learned about the different needs of ornamental plants and how to prepare the perfect soil for them. We also designed a garden that takes into account the needs of different plants.



Assessment (15 minutes)

Complete the following tasks:

1. Complete the plant needs sorting game and soil types matching game
2. Design a garden that includes at least three different types of plants
3. Write a short reflection on what you learned about plant needs and soil preparation

Extension Activity (20 minutes)

Research and create a list of plants that are suitable for your local climate and soil type.

Plant List:

Create a garden plan that incorporates native plants and sustainable gardening practices.

