



# Notes with Answers for Weeds Module

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## Introduction

Name the characteristics of weedy plants.

1. *Grow very quickly*
2. *Highly competitive-adapted to most sites*
3. *Produce abundant, long-lived seeds*
4. *Reproduce vegetatively*
5. *Be toxic or noxious*
6. *Have offensive odors*
7. *Lack ornamental appeal*
8. *Harbor diseases or insects*

## Types of Weeds

Define each lifecycle.

Annuals	<i>Complete their life cycle in one growing season. Produce abundant, long-lived seeds.</i>
Biennials	<i>Require two growing seasons to complete the lifecycle. First year is vegetative growth in a rosette. The second year it flowers and sets seeds.</i>
Perennials	<i>Live for three years or more. Vegetative reproduction is common. Infestations from spreading perennials are perpetuated from cut root and stem portions that can store large amounts of energy that they dedicate to growth.</i>



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Define the following types of plants.

Dicot	<i>Broadleaf plants. Have two cotyledons. Leaf veins that radiate from midrib. Either a taproot or fibrous root system. Flower parts in 4's or 5's.</i>
Monocot	<i>Grasses. Single cotyledon. Long narrow leaves with parallel veins. Fibrous root system. Flower parts are generally in 3's.</i>

Define invasive plants.

*Non-native introductions that have become troublesome and more commonly occur in relatively unmanaged habitats like forests, parks, or wetlands. Invasives reduce native plant diversity by outcompeting the existing plant species and dominating the plant community. Can also negatively impact animal species. Can cause economic and environmental risks and are difficult to manage.*



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## Weed Management

Mechanical control methods physically remove weeds. List **examples** of mechanical control methods.

*Cultivation and hand pulling.*


Cultural control methods utilize general gardening practices that impact weed growth. List **examples** of cultural control methods.

*Proper plant spacing, growing healthy plants that outcompete weeds, mulching, and using cover crops.*



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Define each of the following herbicide categories.

<p>Pre emergent herbicide</p> 	<p><i>Herbicide that prevents germination and growth of seeds and young seedlings.</i></p>
<p>Post emergent herbicide</p> 	<p><i>Herbicide that is applied to established plants.</i></p>



## Notes with Answers for Weeds Module

Non Selective Herbicide



*Herbicide that injures any plant tissue it comes into contact with.*

Selective Herbicide



*Herbicide that has activity on one group of plants, but little to none on other groups of plants.*



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