

# Science Homework #25

SECTIONS 3A, B, C, D, & E

APRIL 14-18 2025

## Homework

- Complete the Plants Respond to Stimuli worksheets.
  - Read and answer the questions
  - Complete the matching responses page. You *DON'T* need to cut and paste.

## Vocabulary

Topic 4 Plants  
Vocabulary



## Reminders

- HW due by Monday, 4/21
- No school, Friday 4/18



Contact Me

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## Plants Response to Stimuli




Plants are living organisms. They need certain things to survive. They need sunlight, carbon dioxide, and water.

### **STIMULUS**

- Something in the environment that causes a response.

#### **Sunlight**

- Leaves grow towards the sunlight to increase absorption.

Leaves pointed up	Light causes upward growth	Vine on front
		

#### **Gravity**

- Gravity causes the roots to grow in a downward direction.



#### **Water**

- Seeds respond by absorbing water and roots grow towards it.



## Plants Response to Stimuli

### Response to Light



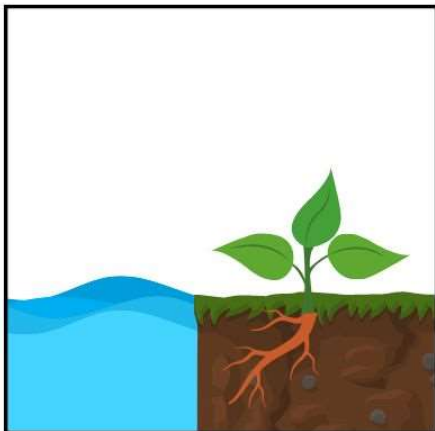
Growing toward light is one way that plants respond to their environment. Growing toward light helps plants make more food.

### Response to Gravity



A plant's roots respond to gravity by growing mostly downward. A plant's stem responds in the opposite way. The stem grows upward, away from the pull of gravity.

### Response to Water



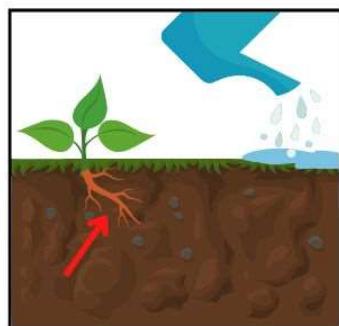
Water is essential for the survival of plants. Roots will respond to the stimulus of water by growing towards the water.

## Plants Response to Stimuli

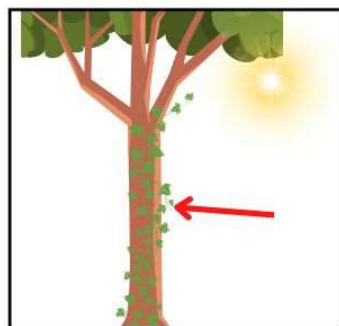
Choose the correct response of plants to the correct stimulus.



- ☐ Response of plants towards light
- ☐ Response of plants towards gravity.
- ☐ Response of plants towards water.



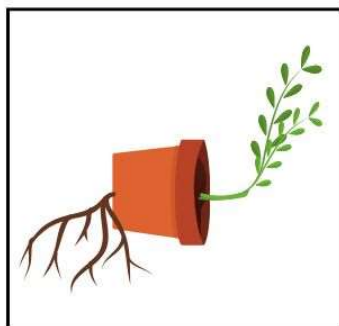
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## Plants Response to Stimuli

Cut out the pictures at the bottom of the page.  
Glue each into the correct column.

**Response to Light**

**Response to Gravity**

**Response to Water**

