



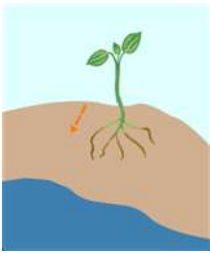
Plant Responses	
Tropism	<ul style="list-style-type: none"> • a change in the environment that causes a response from the plant • positive tropism- plant part grows toward something • negative tropism- plant part grows away from something
Phototropism	<ul style="list-style-type: none"> • Photo- light • The way a plant grows or bends in response to light • positive- stem of plant grows towards light • negative- roots grow away from light




Jan 28-2:53 PM

Gravitropism Geotropism	<ul style="list-style-type: none"> • Gravi- down • The way a plant grows or bends in response to gravity • positive- roots grow towards gravity • negative- stem grows upward away from gravity • also known as geotropism
	

Jan 28-2:53 PM

<p>Hydrotropism</p>  <p>The diagram shows a cross-section of the ground. On the left, there is a blue area representing water. On the right, there is brown soil. A green plant stem with two leaves grows vertically from the soil. The roots of the plant are shown extending horizontally from the stem and then curving downwards and to the left, towards the water source. An orange arrow points from the water source towards the roots, indicating the direction of growth.</p>	<ul style="list-style-type: none"> • Hydro- water • The way a plant grows or bend in response to water • Positive- plant roots grow towards water • Negative- stem grows away from water

Jan 28-2:53 PM

<p>Thigmotropism</p>  <p>The photograph shows a dense growth of green and red flowers (likely a climbing plant like a grapevine) growing up a light-colored wall. A small window is visible through the foliage. The plant's stems are clearly seen clinging to and growing upwards along the wall, demonstrating thigmotropism.</p>	<ul style="list-style-type: none"> • Thigmo- touch • The way a plant grows or bends in response to touch • When a plant grows up the side of a fence post or house • Positive- stem grows towards object • Negative- roots grow away from object

Jan 28-2:53 PM