Name:	Block:	Date:	

Tropism (Plant Growth)

What is tropism?	Tropisms - Plant growth in response to a • There are many types of tropisms : ○ Phototropism ○ Geotropism ○ Thigmotropism				
What is the difference between positive & negative tropism?	Difference between positive and negative tropism: ● Positive tropism = If a plant moves				
What is phototropism?	Negative tropism = If a plant moves Types of tropisms: Phototropism is the growth response of a plant in response to Ex. Stems growing the window to get to the light				
How do stems and roots respond to light?	 <u>Stems</u> grow light (positive) <u>Roots</u> grow from light (negative) 				
How is geotropism difference than phototropism?	 Geotropism is the growth of a plant in response to Roots grow gravity (positive) Stems grow gravity (negative) 				
What are the advantages of roots and stems growing with particular tropisms?	Advantages of a stem growing: Towards light: To trap more light for Away from gravity: Stem of germinating seed grows of soil More chances for and				

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		plant	germinating see	=
Complete the table by putting (+) if it grows towards the stimulus and (-) if it grows away.	Stir Light Shoot Root	nulus Gravity		
What is thigmotropism?	Can you think of a	owing on a wall or	fence y responds to tou	
Answer the following by circling the correct answers:	Practice: Study the diagrams expect to hap The shoot with the cover up / towards light) because annot sense light). Cover tip of shoot we cap and light it from	pen and why. red tip grows (straight use it (can sense light /		
Summary: Tropisms is a plants grovincluding • Stems are • Roots are		and _ ic &	phototroph	 ic.
	Light Phototropism	Gravitropism	Thigmotropism	