

Name \_\_\_\_\_

Per \_\_\_\_\_ Date \_\_\_\_\_

### Plant Tropisms Option 2

**Directions** Watch the following video links to complete the worksheet below on plant hormones and plant tropisms; pause the videos when needed to answer the questions below. You may access these videos through the class website on the Cellular Energy and Plants page.

#### Video Links

Link 1 <https://www.youtube.com/watch?v=pCFstSMvAMI>

Link 2 <https://www.youtube.com/watch?v=uX5eoxKbzHE>

1. What is a plant tropism?
  
2. What is the different between positive and negative tropism?
  
3. What are each of the following tropisms:

Tropism	Definition	Image to Remember the Response
Geo/gravitropism		
Hydrotropism		
Phototropism		
Thigmotropism		

4. How does the response of a root to the pull of gravity help a plant?
  
5. Consider plant roots and stems. Which tropism affects both these plant tissues? Which tissue experiences negative tropism versus which experiences positive tropisms?
  
6. Based on your observations, do plants respond and change the way they grow depending on where the light is? Which tropism is this?

In the boxes below, write the name of the correct tropism.

