

# Tropism Web Quest

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

Use the following websites to answer the questions on tropisms.

**Using the following website answer the question number 1.**

[http://www.biology-online.org/11/10\\_growth\\_and\\_plant\\_hormones.htm](http://www.biology-online.org/11/10_growth_and_plant_hormones.htm)

1. What is the definition of tropism?

**Answer questions 2- 7.**

<http://users.rcn.com/jkimball.ma.ultranet/BiologyPages/T/Tropisms.html>

2. What is a negative tropism?

3. What is a positive tropism?

4. Which part of the plant is affected in positive way by light (phototropism)?

5. Which part of the plant is affected in negative way by light (phototropism)?

6. Which part of the plant is affected in a positive way by gravity (geotropism)?

7. Which part of the plant is affected in a negative way by gravity (geotropism)?

**Use the following website to answer question number 8.**

[http://www.biology-online.org/11/10\\_growth\\_and\\_plant\\_hormones.htm](http://www.biology-online.org/11/10_growth_and_plant_hormones.htm)

8. What are the different types of tropism?

Chemotropism –

Geotropism-

Hydrotropism-

Heliotropism-

Phototropism-

Thermotropism-

Thigmotropism-

**Use the following website to answer questions 9- 10.**

**NASTIC MOVEMENTS:** <http://www.botanical-online.com/lasplantasmovimientosvegetalesingles.htm>

9. What are nastic movements?

10. Provide an example.

**PHOTOPERIODISM:**

<http://www.biologyreference.com/Ph-Po/Photoperiodism.html>

11. What is photoperiodism?

12. What causes photoperiodism?

## **Plant Adaptations**

<http://mbgnet.net/bioplants/adapt.html>

13. List 2 adaptations that plants have in each of the following biomes

Desert:

Grasslands:

Tropical Rainforest:

Temperate Deciduous Forest:

Temperate Rain Forest:

Taiga:

Tundra: