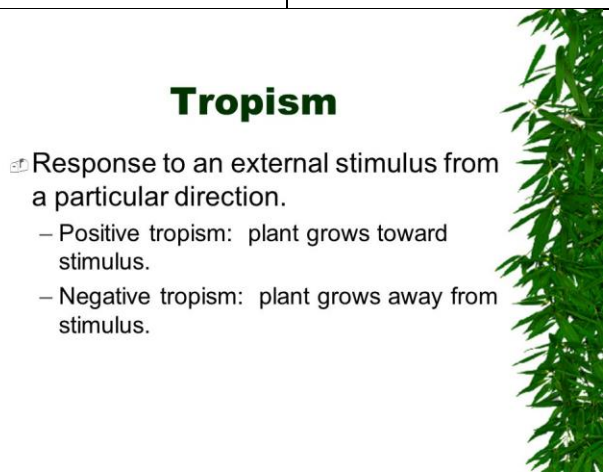
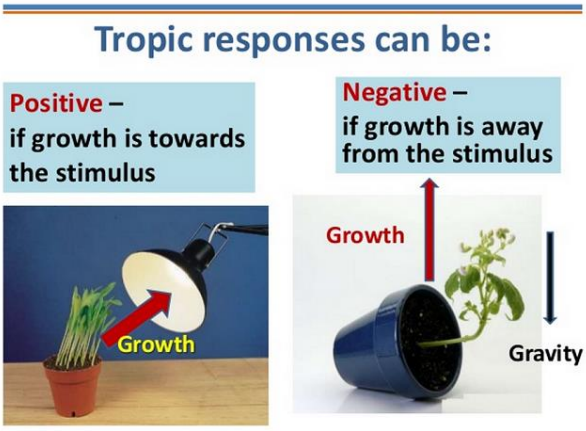
Plant Tropisms

Tropism	Description
Geo/Gravitropism	Growth of root towards earth's gravity (down) and growth of shoot away from earth's gravity (up).
Hydrotropism	Growth of root toward water source
Phototropism	Growth toward light
Thigmotropism	Response to touch (closing leaves, vines clinging)





1. Which tropism involves response to light?

2. Which tropism involves response to water?

3. Which tropism involves response to touch?

4. Which tropism involves response to gravity?

5. Explain the difference between positive and negative tropism in hydrotropism.

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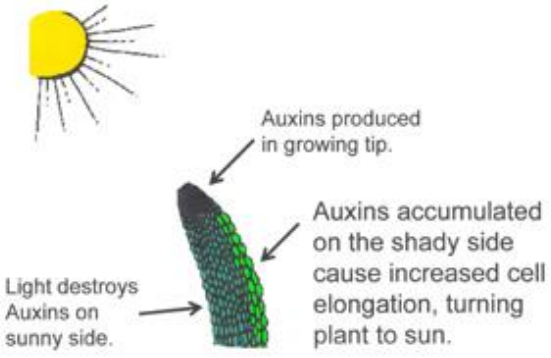

6. Auxin is a hormone produced by plants. Study the image to the left. What role does auxin play in phototropism?

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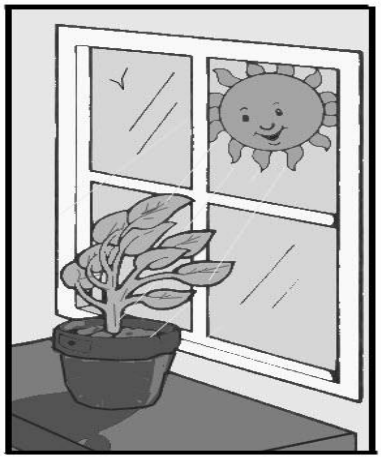
Label each image below with the correct tropism.

Gravitropism – Gravi

Hydrotropism – Hydro

Thigmotropism – Thigmo

Phototropism – Photo



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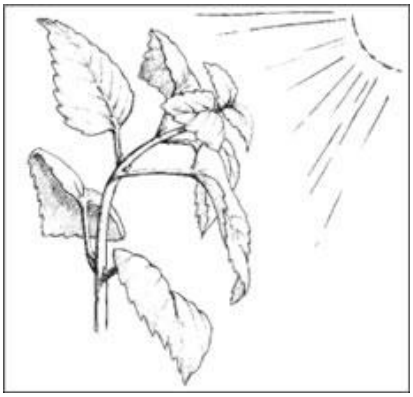

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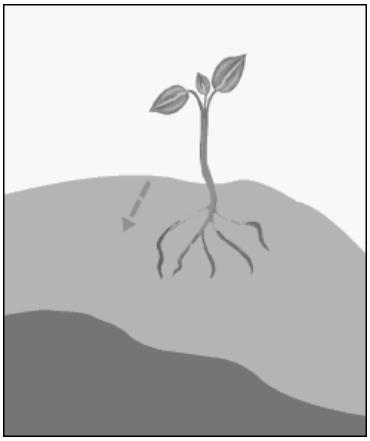

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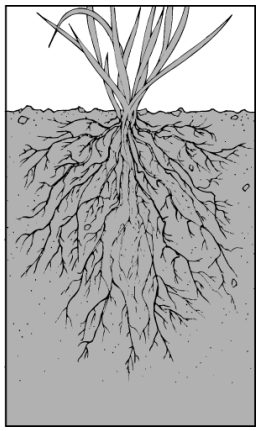

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