WHAT IS PHOTOTROPISM?
Phototropism is the movement of a plant in response to light. See it in action with a DIY plant maze.

Steps

1. Create your maze:
   • Measure the inside of your box to create a cardstock divider. Add about 1 inch to the measurements so you can make tabs to secure the divider to your box.
   • Tip: Use thick, dark paper for your divider to keep light out.
   • Draw and cut a circle to one side of the divider.
   • Draw and cut a hole at the top of the shoe box, to one side.
   • Tape the divider in the middle of the shoe box, making sure that the hole cut into divider is on the opposite side of the hole cut into the box.
   • Tip: You can be creative by making a complicated maze with more layers. Just make sure you don’t block off the light completely.

2. Plant the seed:
   • With a pencil, poke three holes through the bottom of your cup. Add soil to your cup.
   • Plant your seed about 1/2 inch below the surface of the soil, and water it.

3. Wait and let the fun begin!
   • Place your cup in the box, under the divider, on the opposite side of the hole.
   • Place a small lid or plate beneath the cup to capture excess water.
   • Place the lid back on the box. Be careful as the box will be on its side.
   • Place your plant maze near a sunny window.
   • Open the box every few days. Keep your cup watered.
   • Be amazed by your plant as it travels through the maze!

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