

Plant Growth

Topic or Concept

To show how roots of the plant respond to gravity

Objective

Student will also see how a plant develops from seed.

<p align="center">Materials</p> <p>Available from Region 20 Living Science Center</p>	<p align="center">Enrichment Activity</p>
<p>LM-79 Radish Seed</p>	<p>Procedure</p> <ol style="list-style-type: none"> 1. Soak the 6”x 6” paper in water. Then place it on one of the pieces of glass. Sprinkle the 15 radish seeds on the paper. 2. Place the other glass plate on top of the seeds. Secure these together with rubber bands or string 3. Put about 1” of water in the pan and stand glass-paper-seed sandwich on edge in the water. Germination should take place in 4 or 5 days. <p>Observations</p> <p>Students should be able to see the development of roots and leaves. Root hairs can be seen. They should notice that the roots grow down and that the stems are growing upward. In a day or two rotate the plate ¼ turn. What happens to the direction of growth of roots and leaves?</p> <p>Continuation</p> <p>You may want to transfer seeds to pots that contain soil for further growth and future experiments with radish plants.</p>
<p>Not Available from Region 20 Living Science Materials Center</p>	
<p>Rubber bands or 15 feet of String Blotting Paper about 6”x 6” Two glass plates 6”x 6” (found at building supply) Pan or round bowl (that the 6”x 6”glass plate will fit in on edge)</p>	