

Garden Ecology: Warmth Experiment

You need: 2 paper cups

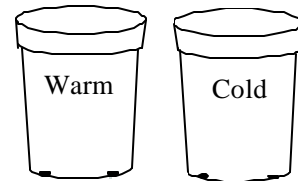
vermiculite or seed-starting mix (add enough water so the mix is moist)

6 bean seeds (dry, not from a can)

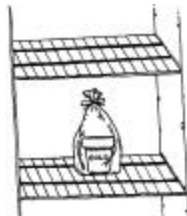
2 plastic bags (about quart size) and twist ties

thermometer

- **Make** four small holes in the bottom edge of each cup. **Write** WARM on one cup and COLD on the other cup. **Write** on each cup the date you plant the seeds.



- **Fill** each cup 3/4 full with vermiculite or seed-starting mix. Put three seeds in each cup. **Cover** the seeds with 1/2 inch more of vermiculite or mix. Gently press it down so the mix or vermiculite is in good contact with the seeds.
- **Put** a cup in a plastic bag, and **tie** the bag closed. **Do** the same with the other cup. **Place** the COLD cup in the refrigerator (the temperature must be cool, less than 50°F). **Place** the WARM cup in a warm place (75°F or warmer). **Check** the temperature of each place, and **write** it here. **Cold** _____ **Warm** _____



- **Check** the cups every day until the seeds sprout. **Add** water if soil starts to dry out.
- How many days does it take the seeds to sprout in the warm place? _____
 How many days does it take the seeds to sprout in the cold place? _____
 Can you **explain** the difference? _____