



PLANTS CAN SENSE DIRECTION AND GRAVITY: BUILDING AN ONION TOWER

List of Materials:

Plastic bottles, sharp scissors, soil from garden (or mix of soil and compost), bag of onions, water in a watering can, a marker pen, and two small empty buckets.



Step 1:

Use a pen to mark where you will add a hole on the bottle from which the onion will grow out of.

Step 2:

Pierce a hold at the mark using the sharp end of a scissor or sharp object.



Step 3:

From hole cut a circle out using a pair or sharp scissors. The size of the hole should be slightly smaller than the size of the onion.



Step 4:

Repeat step 3 so that you have a few holes to house the number of onions you would like to grow.



Step 5:

To prevent too much water accumulating in the bottle, we can carefully cut holes into the bottom of the bottle to allow water to leak out.



Step 6:

We can also cut the neck of the bottle off to allow us to add soil and water the plant more easily.



Step 7:

Place the prepared bottle into an empty bucket, with the soil placed in another bucket. Carefully start to add the soil into the bottle until the soil reaches the first hole. Don't worry about the mess ☺: Any excess soil will fall into the bucket, without making a mess.



Step 8:

Cut four short lines into the hold edge, one at each quarter of the hole. This will allow you to push the onion through it and prevents it from falling back out again.



Step 9:

Push the onion into the hole.



Step 10:

Carefully fill in more soil on top of the onion till the next hole, and repeat steps 8 and 9 until the bottle is full.



Step 11:

Water your plants and place them in your windowsill or near any natural light! You're now ready to watch your onions grow ☺!

