

Plant growth experiment

In this activity you will be experimenting with giving seeds different 'drinks' to see which drinks seeds need to grow.

On this sheet you can record your predictions about what drinks the plants will and won't like, and you will also record your results. You can then compare your predictions with your results.

For each drink you are giving your seeds, you will need two planter tubs with one seed planted in each. To plant your seeds you should:

1. Collect your small tubs (ensure that they have small holes in the bottom).
2. Place some gravel in the bottom and fill the rest of the container up with soil using a spoon.
3. Create a small hole in each tub with your finger about 2-3 cm deep. Place your seed inside, cover with soil and press the soil down lightly.
4. On each container write your name and the type of seed you planted. You could use sticky labels for this task. If you're giving your plants different drinks, write the type of drink on each label too.
5. Place your tubs in sunlight and water it once or twice a day.
6. At the end of each day record your observations (such as growth, no growth, looking healthy, looking unhealthy, colour of leaves etc) using the Growth Table on the next page.

The 'drinks' you will be giving your plants are:

Which drinks do you think your seeds will like the best?

Which drinks do you think your seeds will like the least?

How will you know if a seeds likes a drink or not?



Plant growth experiment

Growth Table

	Seed 1	Seed 2	Seed 3	Seed 4	Seed 5
Drink type					
Monday - observations					
Monday - height of seedling (cms)					
Tuesday - observations					
Tuesday - height of seedling (cms)					
Wednesday - observations					
Wednesday - height of seedling (cms)					
Thursday - observations					
Thursday - height of seedling (cms)					
Friday - observations					
Friday - height of seedling (cms)					

For more information on how you can help our environment, or to make some suggestions of your own, please go to www.coolaustralia.org

Plant growth experiment

Which type of drink did the seeds like best?

How do you know that they liked this one best?

Compare your results with your predictions: Were you right or wrong in guessing which type of drink your seeds would like? Why do you think you were right or wrong?

If you were going to do this experiment again, how would you do it differently or what would you change?

What do plants need to survive?

For more information on how you can help our environment, or to make some suggestions of your own, please go to www.coolaustralia.org



coolaustralia.org
Learn for life