

## Experimenting with Plants



Experimenting with plants is fun. You just have to be a bit patient as you will set up your experiment and keep it going for a few weeks, or even months. Many important science experiments have taken time, even years!

You will need about six small seedlings (all the same size) or you can start with seeds.

You can use potting tubes for seedlings or saucers with soil or cotton wool for seeds.

You can experiment with all of the things plants need.

- **SOIL:** Try different types from sand to clay. Make sure they all get the same amount of water.
- **WATER:** Vary the amount of water they get from none, to one teaspoon a day, two teaspoons, and so on right up to what you expect will be too much daily water.
- **FERTILISER:** You can choose a fertilizer and vary the amount your plants get from none through the recommended amount up to many times that amount. Make sure you start with soil or potting mix that has no fertilizer added. The capsicum seedlings in the photo were given different amounts of fertilizer over 8 weeks.
- **SUNLIGHT:** Start with three seedlings the same size then put one in full sun, one in shade and one in darkness. Make sure they all have enough water to stay moist.

Remember to take regular photos of your plants!

And register your project at [bigsciexp.com.au](http://bigsciexp.com.au)



[bigsciexp.com.au](http://bigsciexp.com.au)



[wama.net.au](http://wama.net.au)