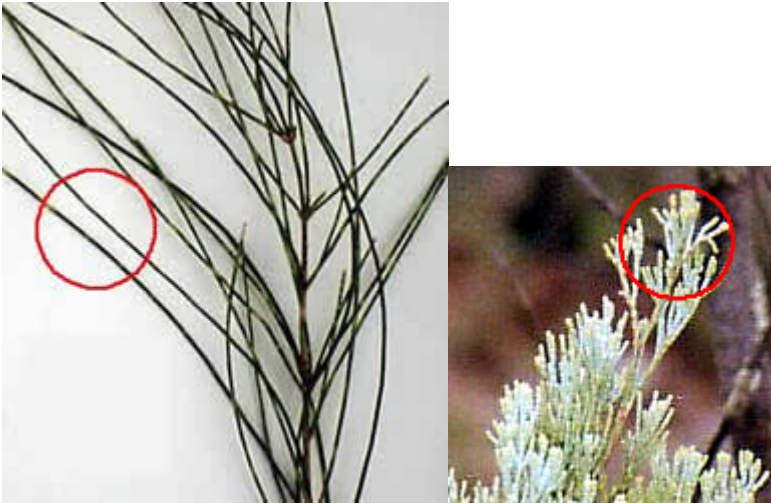


Bushland Investigation: How are leaves adapted to suit dry environments?

1. I am going to investigate.

How leaves are adapted to help plants survive dry environments.



Leaves from a casuarina and a cypress pine.

2. What I think will happen.

3. Why I think it will happen.

4. What I am going to do?

- Go for an explore in the bush and collect 3 leaves from each of 5 different native plants.
- Measure their length and width.
- Study the leaves under a microscope.
- Draw each leaf and note how it is different to a gum leaf.

5. What I will need

- Bags to put the leaves of each plant in. Mark each bag with a name.
- A rule to measure the leaves.
- Microscope
- Record the measurements in a table and calculate the average length and width for each leaf.

6. How I will make it a fair test?

- After you select a plant to pick a leaf, the leaves cannot be chosen on purpose. Close your eyes so the leaves are picked at random.

- Other ideas on making a fair test:

7. What happened?

8. Was this what I expected?

9. Why did it happen?

10. What was difficult for me?

11. How could I improve this investigation?

12. How can I apply this knowledge?