



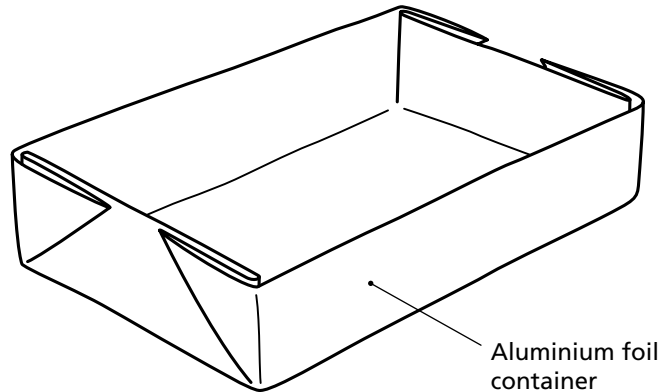
Name: Form:

Based on pages 10 and 11 of *Changing materials*

Investigating plaster of Paris

Try this...

1. Take four pieces of aluminium foil and fold up their edges to make four containers like the one in the diagram.



2. Put a teaspoonful of plaster of Paris in a bowl. Add a teaspoon of water and mix thoroughly.

3. Put the mixture into one of the containers.

4. Repeat steps 2 and 3, but use two teaspoons of plaster of Paris instead of one.

5. Repeat steps 2 and 3, but use three teaspoons of plaster of Paris instead of one.

6. Predict what may happen when you use four teaspoons of plaster of Paris instead of one.



.....

7. Test your prediction.

8. How could you make the mixture useful?



.....

9. Test your idea.

10. Work out plans to test the following ideas:

(a) Plaster of Paris can be made into a thin sheet.

(b) Plaster of Paris can be used to stick gravel together.

11. Try your plans if your teacher agrees.