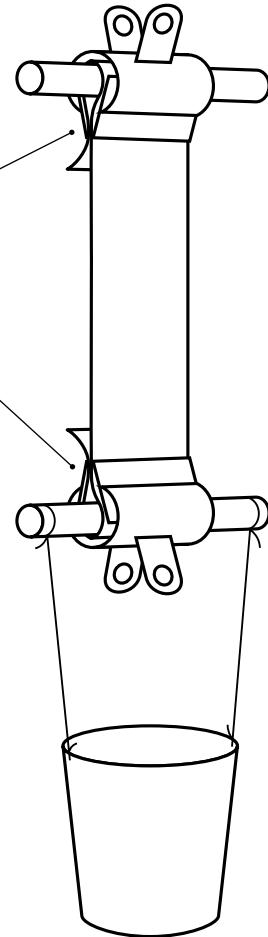


The strength of plastic

Try this...

1. Look carefully at this diagram and see how the plastic strip goes over the pencils and is clamped by the bulldog clips.

Material goes right round pencil, is pulled down and clamped here.



2. Set up a strip like the one shown in the diagram.

3. Attach a yoghurt pot to the bottom pencil, as shown in the diagram. Have your partner hold the top pencil.

4. Put weights in the yoghurt pot until either the strip stretches or the pot is full.

5. Find the weight of the pot at the end of the test.

6. Record your result in the first line of the table.

7. Try tasks 1, 2 and 3 with the other plastic strips.

Type of plastic	Weight added (gms)

Looking at the results.

8. What do the results show?

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