



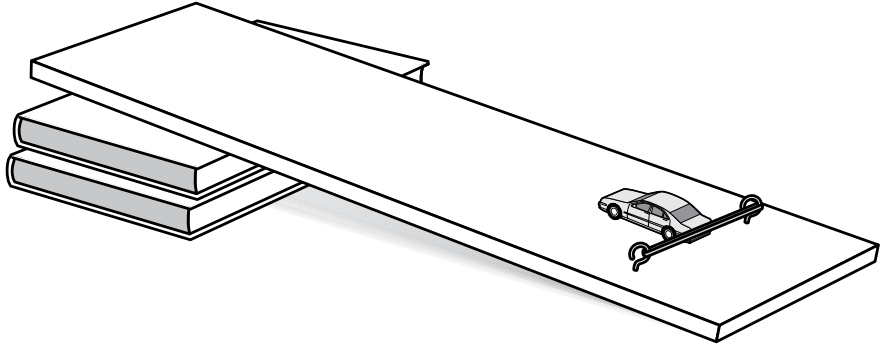
Name: Form:

Based on pages 12 and 13 of *Springs and magnets*

The car catapult

Try this...

1. Set up the car catapult as shown in the diagram.



2. What do you think will happen to the car if you pull the elastic band back a short way and then let go?



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3. Test your prediction. What did you find?



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4. What do you think will happen to the car if you pull the elastic band back a long way and then let go?



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5. Test your prediction. What did you find?



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6. Write up a plan to test for a pattern between the stretch of the elastic band and the distance the car travelled?



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7. On a separate piece of paper, draw a table in which to record your results.

8. Show your teacher your plan and table. If your teacher approves, try your test.