

# Move a heavy object

- Design and make a device to move the heaviest possible object at least 10 cm on a flat surface. The energy source used must be the reaction between 1 level teaspoon of bicarbonate of soda (sodium hydrogencarbonate) and 3 level teaspoons of citric acid.

As far as possible, the device is to be constructed from 'junk' materials.

Your final device must be loaded with chemicals, and you must be ready to start it when told to do so.

## Health & Safety

In planning this activity, you should consider health and safety. Check your plans with your teacher before implementing them.

You must wear eye protection during this practical.

Citric Acid – eye irritant

## Credits

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*Health & safety checked May 2018*

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