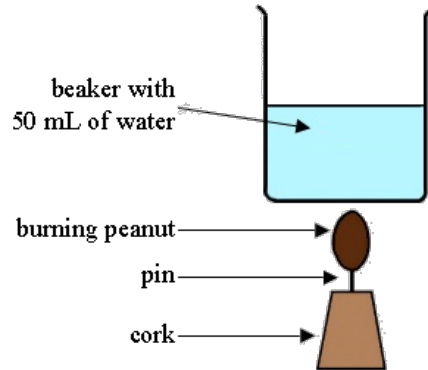


# Burning peanuts

**This task is about your understanding of carrying out science investigations.**

A group of students carried out an experiment to heat water using the energy from a burning peanut.

This is a diagram of their experiment.



They found that the temperature of the water rose by 20°C.

a) What are three ways they could change this experiment to get a greater temperature increase?

The students decided to repeat the experiment to compare the temperature increase they would get from burning a biscuit.

b) To make this a fair test what are the two most important experimental conditions that should be kept the same?

Published on <https://newzealandcurriculum.tahurangi.education.govt.nz>