

# Classroom Activities

## 10 Big Questions - How do we unravel the causes of disease?\*

### Breaking down liver:

The liver is a very important organ. One of the roles it has is to break down toxins, such as hydrogen peroxide.

You will need:

- Goggles
- A lamb cutlet
- 8% Hydrogen Peroxide
- A lamb's fry (liver)

Method:

Put on some goggles. Add a piece of lamb cutlet to the hydrogen peroxide. You will notice that it begins cooking into a horrible paste. Now add some lamb's fry to the peroxide. A bubbling reaction occurs as the liver breaks the peroxide down into harmless water and oxygen. Prove this by adding some lamb cutlet to the broken down peroxide.

This classroom activity was suggested by Thomas Tu – PhD student in the School of Molecular and Biomedical Science, University of Adelaide.

\* To find out more about the 10 Big Questions, go to:

<http://www.sciences.adelaide.edu.au/learning-teaching/10bq/>

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