

## **Which catalyst? Decomposing hydrogen peroxide**

### **The investigation**

This investigation will indicate the best catalyst for decomposing hydrogen peroxide from a range of different chemicals.

Read through the kit list to find out what apparatus and catalysts you have available. Read any other materials (instructions, diagrams etc) provided.

You may be able to think of a different way to measure the rate at which hydrogen peroxide decomposes with a given catalyst.

When you have planned your investigation, ask your teacher to check your plan and risk assessment before you try it.

### **Summary**

1. Write a summary of your investigation, including the data obtained from your experiments with the different potential catalysts. Make clear which you found to be the best catalyst.
2. What do you think would happen if you used maximum concentration hydrogen peroxide with the best catalyst?
3. Propose a mechanism that may have caused the accidental launching of torpedoes on Kursk.