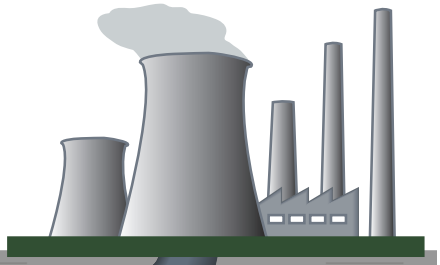
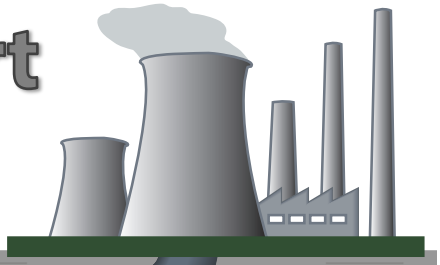
Chapter 2



5. Writing a Scientific Report

Writing a Scientific Report

Teacher Notes



Activity Description	The students learn how to write a scientific report.
Time	1 hour
Learning Outcomes	• To write a scientific report • To understand the aims of a scientific report
Student Organisation	Individual
Materials Needed	Writing a Scientific Report Student Worksheet

The students will use the reservoir design experiment they conducted on the day of the Geobus CCS Workshop to structure and form the content of their report.

These reports should be written individually.

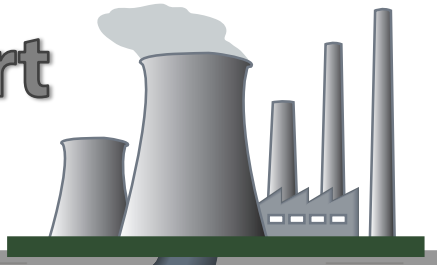
They can use the experiment instructions to help them write the 'Methods' section. Their summary from the day can be used to help write the 'Conclusions' section.

Each student should draft the report before finally writing it up or word processing it to a presentation standard.

Encourage the students to use diagrams and subheadings when they write their report to ensure it is clear and easy to read.

Key Points:
What is the experiment?
Why do we care?
What did they do?
How did they do it?
What did they expect to happen?
What actually happened?
Why this happened? Or why they think this happened?
What other tests could be performed to tell us more?

Writing a Scientific Report Student Worksheet



When we conduct scientific experiments we need to report the results in a clear and consistent format so that the work can be evaluated, compared to other studies, and reproduced in the future.

This exercise will lead you through how to write a scientific report using the carbon capture experiment you conducted as part of the GeoBus Carbon Capture Workshop.

You will need:
Lined paper or computer.

Instructions:
Write one or two sentences for each subheading. Make sure you use clear language and include every detail so that someone could use your report to conduct their own CCS Experiment.

Introduction
What is the experiment?
Why did you do it?

Hypotheses
What did you think the outcome of the experiment would be before you did it?

Methods
What equipment and materials did you use?
How did you conduct the experiment?
Use the experiment instructions to help you write this section.
Include at least one technical drawing of the experiment set-up.

Results
What happened?
If there were numerical results, present them in a table or graph.

Discussion
Were the results what you expected?
What can you conclude?
What are the implications of the results?