

Green transport

Today most transport in the world uses fossil fuels to provide the energy needed. This is not sustainable because

- fossil fuels are a non-renewable (finite) energy resource
- burning fossil fuels puts 'greenhouse gases' into the atmosphere.

1 Process the data you have collected and plot a graph of the results of your investigation into the energy transferred from fuels.

2 Describe any patterns or trends in your results. Comment on any unexpected results.

.....

.....

.....

.....

.....

.....

.....

3 Compare the data on energy provided by alternative fuels from your research (Part 1) with the results of your own experiment (Part 2).

Comment on any similarities and differences. Suggest possible reasons for any differences.

.....

.....

.....

.....

.....

.....

.....

5 Do your results from Part 2 support the hypothesis you suggested? Explain your answer.

.....

.....

.....

.....

.....

.....

.....

.....

.....

6 Which fuel is most likely to be a successful alternative to petrol for powering a car?
Explain why, using information from your research (Part 1) and your investigation (Part 2).

.....

.....

.....

.....

.....

.....



Copyright Information:

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (OCR) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

OCR is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.