

YEAR 07

Physics Homework

Section 7Ib

Using less

p. 123

Questions: 1 and 4

1. Why should we try to use less fossil fuels?

The main reason is to reduce the amount of carbon dioxide (**CO₂**) produced by the combustion (burning) of fossil fuels. This gas is mainly responsible for the **Global Warming** of our planet.

It will also help to make our **supply of fossil fuels last longer**.

4. Danny says ‘We should persuade more people to use bicycles to get to school instead of coming on the bus’

- a) Look at chart E. Suggest why Danny thinks it is most useful to persuade the people using public transport.
- b) Explain how Danny’s idea would help to use less fossil fuels.
- c) Explain why persuading the car users would be more useful.

- a) Because the amount of people (group) using public transportation is much bigger than any other group on that map.
- b) A bus may use more fuel but it can carry up to 40 (sitting passengers). Imagine if not 40 but at least 20 less vehicles/cars on the road for the same trip!
- c) Because sometimes we do a lot of errands out of habit. If we have a look at the press notes on page 123, 30% of the car journeys we make **are not really necessary**. This means nearly 1 out of 3 cars on the road!!!! We can always walk (or cycle) for that 30% errands and exercise at the same time.