

5 Complete the newspaper article with the words a-j.

- | | | |
|-----------------|---------------------|---------------|
| a argued | d fossil | g recommended |
| b claim | e nuclear | h run out |
| c contamination | f radioactive waste | i solar power |

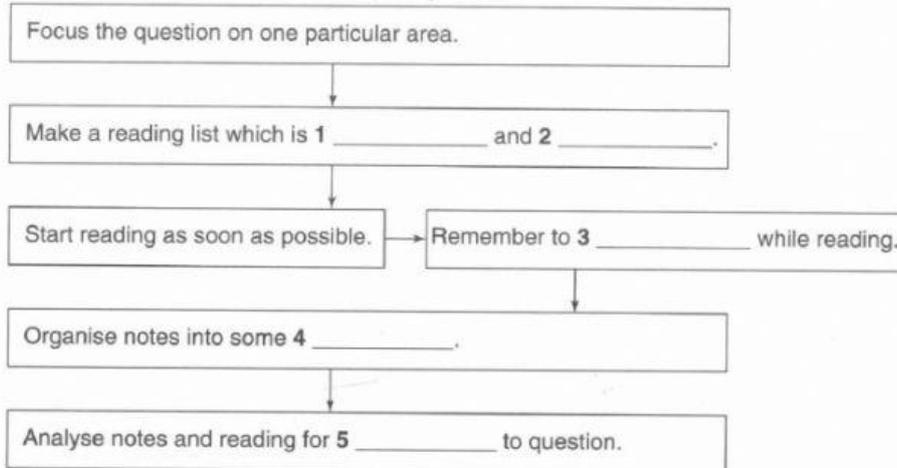
The Future of Energy

The future of energy is changing. Scientists (1) _____ that (2) _____ fuels need to be replaced by alternative forms of energy. These older fuels, such as oil and gas, are in short supply and may (3) _____ in the near future. So what are the alternative forms of energy that could be used? (4) _____ is quite a popular choice for many. Harnessing the sun for its energy has been (5) _____ by the government's Department for Energy as a cost-effective and long-term solution for both businesses and individuals. However, although cost-effective in the long run, the setup costs can be high. Others have (6) _____ that (7) _____ energy would be a better solution. This, however, is very contentious. The issue of (8) _____ is always raised by its detractors because of the fear of (9) _____ if something goes wrong.



4 You are going to hear a tutor and a student discussing the process of doing a research project on alternative energy. Listen and complete the flow chart below. Write NO MORE THAN THREE WORDS AND/OR A NUMBER for each answer.

Alternative energy research project: process

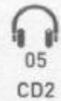


7 Which words a–l could complete the spaces 1–5 in the summary? There is more than one possible answer for each space.

- | | | | |
|------------------|-------------|------------|------------|
| a alternative | d dangers | g nuclear | j research |
| b benefits | e different | h price | k seminar |
| c cost effective | f evidence | i problems | l tutorial |

The students are preparing for their (1) _____ discussion by discussing the various theories presented by academics in the field of (2) _____ energy. Overall, they agree with the academics that the most sustainable long term (3) _____ energy source is nuclear but they are concerned about the (4) _____ based on past disasters around the world. The students are unable to agree on the cost-to-benefit ratio of sources such as wind and solar because the academic (5) _____ appears to be inconclusive.

SECTION 3 QUESTIONS 1–4



Answer the questions below.

Write **NO MORE THAN THREE WORDS AND/OR A NUMBER** for each answer.

According to Phil, what are the 2 problems with some renewable energy sources?

- 1 _____
- 2 _____

List 2 things that Professor Jenkins wants to see in the students' report.

- 3 _____
- 4 _____

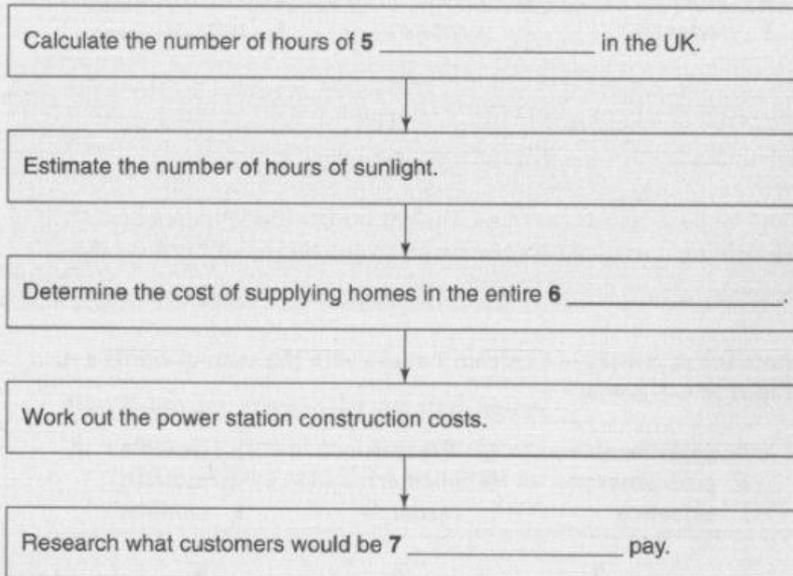
QUESTIONS 5-7



Complete the flow chart below.

Write **NO MORE THAN THREE WORDS AND/OR A NUMBER** for each answer.

Solar energy production costs forecast



QUESTIONS 8-10



Complete the summary below using words from the box.

Write **ONE** option A-H next to 8-10.

Project content summary

The alternative energy project will cover 3 main areas; a comparison, a price 8 _____ and an analysis. The students will use information given to them by their tutor and government 9 _____. Using a system of comparison between the data sets they will 10 _____ any discrepancies for further analysis.

- | | | |
|--------------|---------------|-------------|
| A data | D demonstrate | G reduction |
| B highlight | E prediction | |
| C statistics | F evaluate | |