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

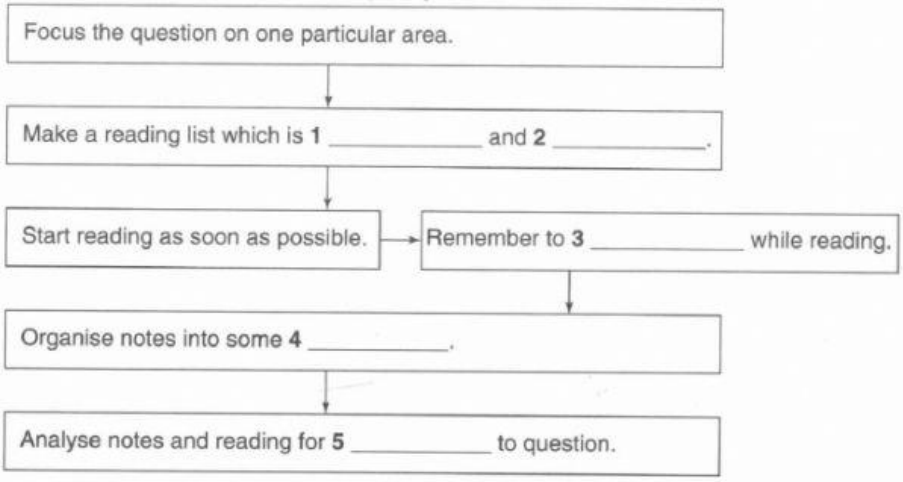
| | | | | | |
|---|---|---|---|---|---|
| **a** | argued | **d** | fossil | **g** | recommended |
| **b** | claim | **e** | nuclear | **h** | run out |
| **c** | contamination | **f** | radioactive waste | **i** | solar power |

**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 01 CD2 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**




LIVEWORKSHEETS

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

05
CD2

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** _____

LIVEWORKSHEETS

## QUESTIONS 5–7

05
CD2

Complete the flow chart below.

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

**Solar energy production costs forecast**

Calculate the number of hours of **5** _____ in the UK.

↓

Estimate the number of hours of sunlight.

↓

Determine the cost of supplying homes in the entire **6** _____.

↓

Work out the power station construction costs.

↓

Research what customers would be **7** _____ pay.

## QUESTIONS 8–10

06
CD2

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 | |

LIVEWORKSHEETS