

Section 1 You should spend about 20 minutes on **Questions 1 – 13**.

Clear Lighting

Use energy more efficiently and help save the planet by switching to low-energy light bulbs.

Many of us still use traditional bulbs around the house. But simply replacing one traditional 100-watt bulb in your home with a low-energy equivalent will save you the amount of electricity required to make 1,200 cups of tea. It will also reduce your annual electricity bill, so as well as using less energy; you'll be paying less money. This is because traditional bulbs only use 10% of the electrical energy to produce light, while the remaining 90% is wasted as heat. Low-energy bulbs, which are also known as compact fluorescent lamps, or CFLs, are more efficient because most of the electrical energy is used to generate actual light instead.

CFLs are more expensive to buy, costing an average of £6 each compared to 40p for a traditional equivalent, but they work out cheaper in the long run because they use less electricity

and are much more durable, lasting at least six times longer.

However, they do have some drawbacks. For example, they can have a slow start-up, taking some time to reach their full brightness, so you are commended to use them where they will be left on for longer periods, such as your living room or hallway. This also avoids frequent switching on and off, which may also shorten the life of the bulb.

CFLs are also noticeably dimmer when used in cold conditions, such as in a garage or outside, as this can reduce the bulb's efficiency, so this is not recommended. Finally, CFLs are also likely to be up to three times heavier than traditional bulbs, which may make them unsuitable for some light fittings, so you should always check these before changing your bulbs.

Questions 1 – 7

Look at the information about lighting.

Complete the sentences below with words taken from the passage.

Write **NO MORE THAN THREE WORDS** for each answer.

Write your answers in boxes 1 – 7 on your answer sheet.

- 1 If you change your type of light bulb you could save both energy and.....
- 2 Conventional bulbs convert most of the energy they use into.....
- 3 You do not need to replace CFLs very often because they are very.....
- 4 When they are first switched on, CFLs may have a.....
- 5 Constantly using the light switch may.....of a CFL.
- 6 Low temperatures may reduce the.....of CFLs.
- 7 CFLs may weigh more than other bulbs, so you must only use them with appropriate.....