



# Student Take Home Sheet



## Agent .....’s Energy Saving Mission

At school we’re learning how to save energy and why it’s important. You have been specially selected to carry out this important mission! The mission has two parts and is about encouraging your family to save energy at home.

### Part 1. Undercover Mission

**Sssh! This part of your mission is secret.**



- ▶ List all of the rooms in your home.
- ▶ List all of the electrical appliances in your home (anything with a plug).

Using the form below, visit each room and make a note of any appliances or lights that have been left on – only note things that are no longer being used.

### Part 2. Take Action

**Sssh! This part of your mission is secret.**



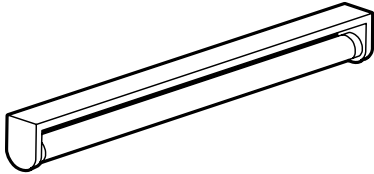
1. Call a family meeting and tell everyone why it’s important to save energy – not only will it help reduce the impacts of climate change but it could also help you save money on your energy bills
2. Reveal the findings of your Undercover Mission, sharing the appliances that you found had been left on when they weren’t being used. Explain to them that these are the areas where your family is wasting energy and money.
3. Suggest you appoint a Special Switch Off Agent for each appliance in your home. It will be that person’s responsibility to turn the appliance off.
4. Try to get your family to agree to do more to save energy, discuss the things you can do and write these down in Mission Form 1. Tick the actions as you do them.
5. Fill in Mission form 2 every day of your mission so you can see the progress you and your family are making towards completing this important assignment.
6. Ask your family for feedback on your mission – they can write comments in the comments box in Mission Form 2.
7. When you’ve finished your mission – return Mission Form 1 and Mission Form 2 to school



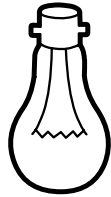
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## Quiz Time

Can you identify the following bulbs? Which one do you think uses the least electricity? (answers at the bottom of the page)



1. -----



2. -----



3. -----

## Fascinating Facts

- ▶ 63% of people forget to switch lights off when leaving a room – now that's not very bright!
- ▶ Energy saving light bulbs last up to 10 times longer than ordinary bulbs, and using one can save around £55 over the lifetime of the bulb.
- ▶ Leaving a computer on overnight for a year creates enough CO2 to fill a double-decker bus.
- ▶ If every UK household turned their appliances off when not in use, collectively we could save over half a billion pounds every year and as much carbon dioxide as would be saved by taking around 660,000 cars off the UK's roads.
- ▶ On average, leaving our everyday appliances on standby costs UK households between £50 and £86 a year.

Answers: 1. Incandescent (or conventional) 2. Fluorescent 3. Energy efficient 4. Halogen. The energy efficient bulb (3) uses the least electricity.



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What we're going to do to save energy

Completed – please tick the ones you do




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Mission Form 2

Agent's Name: -----

Item/room	Left on	Family member responsible	Monday	Tuesday	Wednesday	Thursday	Friday
Total number of items/lights left on							

The biggest energy offender in my house was:  
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Comments from me and my family