

Research question 1: What are the effects of climate change?

Use the websites listed below and the books in your school library to help you answer these questions. Use pictures and writing to explain your answers.

Supporting inquiry 1a: Find out 5 changes that are affecting people around the world

e.g. less rainfall in Africa is stopping people from growing crops and having enough to eat.

<http://tiny.cc/dktmyw>

Supporting inquiry 1b: Find out 5 changes that are affecting the environment and animals

e.g. warming sea temperatures are damaging coral reefs which also endangers the animals living on them.

<http://tiny.cc/i5mfe>

Supporting inquiry 1c: How do scientists know the climate is changing?

<http://tiny.cc/6hsxw>

Research question 2: What might happen in the future?

What might life be like for children in the UK in 2050?

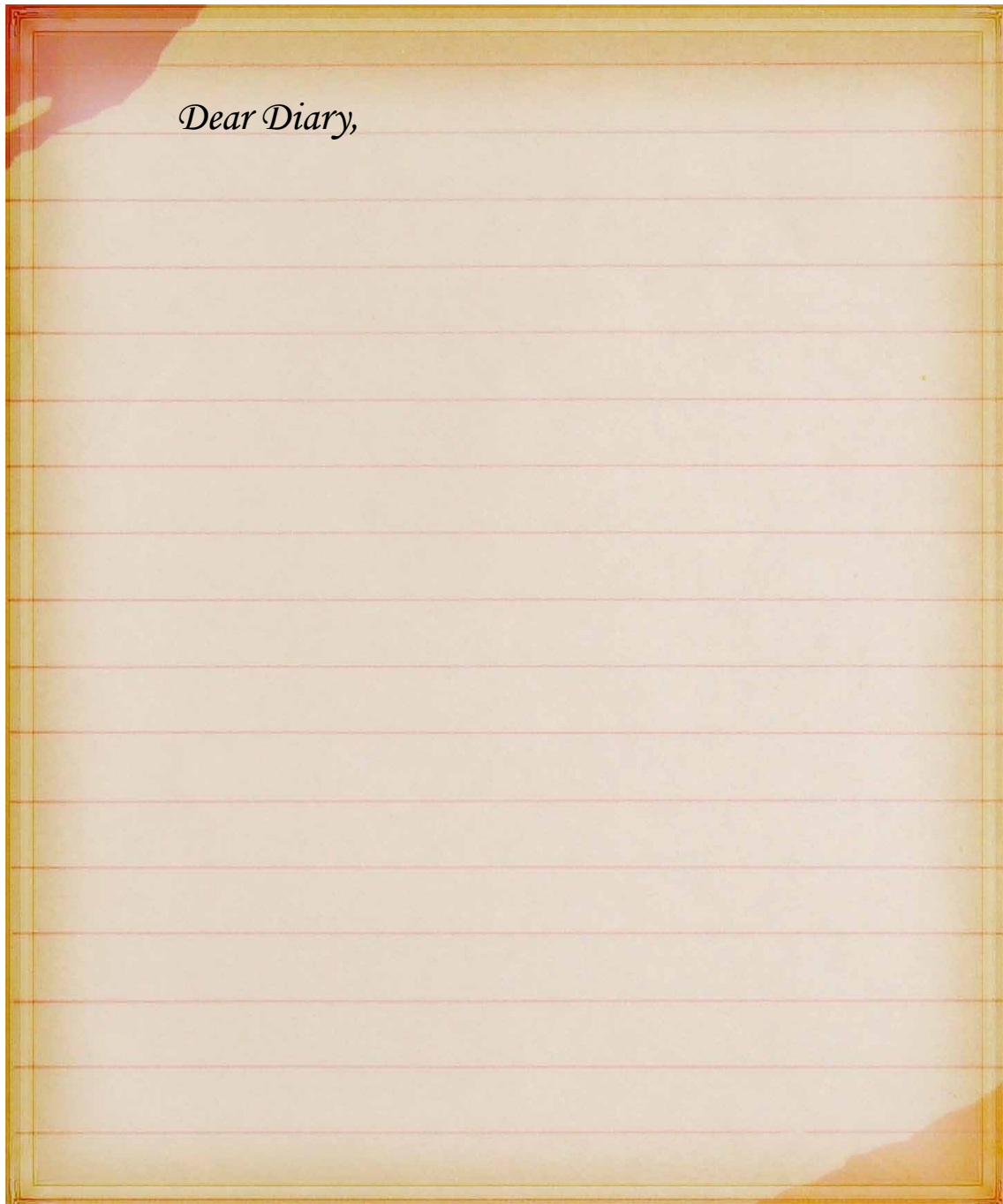
Imagine you are a child living in 2050. First, find out some of the changes that might have happened to the UK's climate using books and these websites to help you.

<http://tiny.cc/8otmyw>

<http://tiny.cc/47e1m>

Now write a diary entry about a day in your life in 2050. Think about some of these questions:

- Where do you live?
- What is your school like?
- What do you eat and drink?
- What is the weather like?
- How do you feel about the changes that have happened to the climate?



Dear Diary,

Research question: How do we save energy?

Use the websites listed below to help you find the information you need. There is a lot of information written on these pages – you will need to read and then summarise what you have found out.

Supporting inquiry 1a: Give 3 reasons why we should save energy.

<http://tiny.cc/fpixr>

Supporting inquiry 1b: Find out 5 ways of saving energy at home.

e.g. putting your desk near a window to make the most of natural light

<http://tiny.cc/t7rcc>

<http://tiny.cc/qttmyw>

Supporting inquiry 1c: Find out 5 ways of saving energy at school.

e.g. turning the school's central heating down by 1 degree

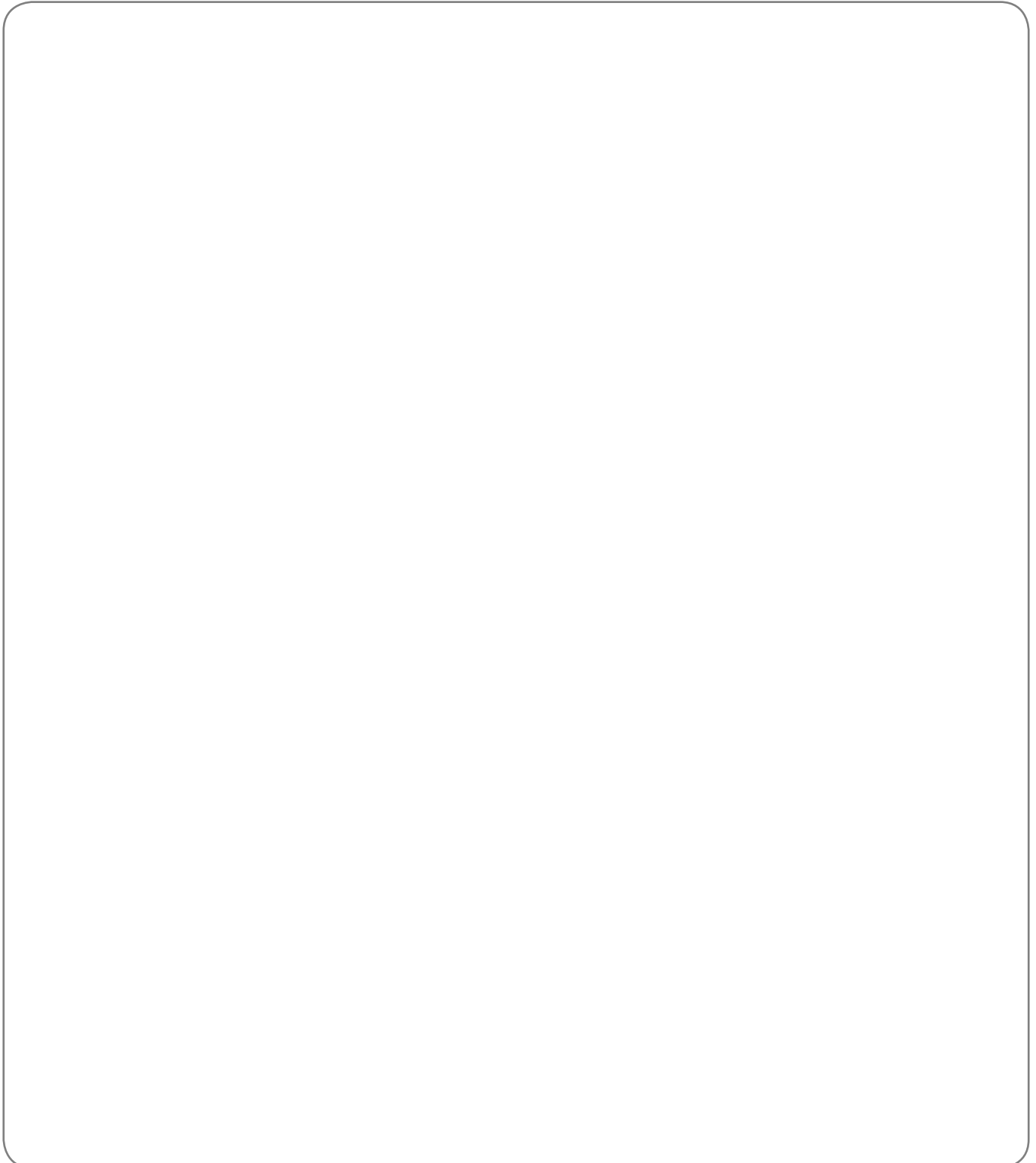
<http://tiny.cc/l6uxf>

Take action!

The more people who take action to save energy, the bigger the difference we can make. So let's spread the word! Use the space below to design a way of letting people know how they can take action to save energy and why they should. Remember to keep your message clear and simple.

Some ideas: [a poster](#), [a poem](#), [a rap](#), [a TV advert](#), [a leaflet](#)...

Get creative!



Research question 1: What is renewable energy?

Use the websites listed to help you find the information you need. There is a lot of information written on these pages – you will need to read and then summarise what you have found out.

Supporting inquiry 1a: Give 3 reasons why we should use renewable energy?

<http://tiny.cc/avtmyw>

Supporting inquiry 1b: Name the 5 main types of renewable energy and their sources.

E.g. Hydropower – the movement of water (powered by the tides, by the waves or dams)

<http://tiny.cc/cytmyw>

Supporting inquiry 1c: Name one advantage and one disadvantage for each of the forms of renewable energy.

<http://tiny.cc/nztmyw>

Research question 2: What is the future of renewable energy in the UK?

Use the websites listed to help you find the information you need. There is a lot of information written on these pages – you will need to read and then summarise what you have found out.

Supporting inquiry 2a: What percentage of the energy we use in the UK comes from renewable sources?

<http://tiny.cc/ywkv6>

Supporting inquiry 2b: How can we encourage the government to increase the amount of renewable energy produced in the UK?

Use the following website to help you find out who your local MP is: <http://tiny.cc/2urtl>

Now write a letter to your MP, explaining why you think they should encourage the government to increase the amount of renewable energy produced in this country.