

Name:

Grade:

School:

Date:

WithOnePlanet

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Carbon
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Investigate
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Round and round
the carbon cycle
- > Student worksheet



Investigate

Lesson 6

Student worksheet

Round and round the carbon cycle

Years **9** to **10**



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INQuIRY



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Open education
An xpend Foundation initiative

Round and round the carbon cycle

Lesson 6: Student worksheet

Let's take a look back ...

At the beginning of this unit, you decided on an ESSENTIAL QUESTION that the class would investigate. It is time to see whether you can now answer this essential question.

What is our essential question about carbon?

First, let's remind ourselves of what this essential question is. Return to your worksheet, *A burning question about carbon* from the start of the unit. You will find the essential question there.

Re-write the essential question into the box below:

Our class essential question is:

What information do I need to find? What other questions do I need to ask?

On your *A burning question about carbon – Student worksheet*, you also brainstormed some of the information you needed to find and some other questions you needed to ask in order to answer the essential question. You put your thoughts and ideas from this brainstorm into a table similar to this:

What information do I need to find?	What other questions do I need to ask?

Read through this table again and decide whether or not you have now found the information you needed and answered the questions you asked. You can tick them off as you work down your lists.

Re-write any information or questions that you have not yet been able to tick off into the box below:

What information do I still need to find?	What questions do I still need to find the answers to?

Conduct further research ...

In groups, agree on one of the points you have recorded in the table above that you would like to conduct further research into. Re-write this into the box below:

We will be conducting further research about:

Your teacher will provide you with access to research materials that you can use to find the information you need.

Use the table below to help you to think about your research topic and record your research.

What do I already think/ know about my research topic?	
Resource 1 Source:	
Resource 2 Source:	
Resource 3 Source:	
Summary statement: What can I now say about this?	

Report back to the class

Report back to the class about your research. Other groups in your class will also do the same. Now return to your *The real question about carbon – Student worksheet* and check that you have all the information and answers you need to answer the essential question.

What is the answer to our essential question about carbon?

It is now time to try to answer the essential question. Your teacher will help you and your class to do this. When your class has agreed on an answer, write the answer into the box below.

The answer to the essential question is: