

Name:

Grade:

School:

Date:

WithOnePlanet

- > Module 1: Carbon
- > Level: Years 3 to 4
- > INQuIRY: Investigate
- > Lesson 4: Searching for carbon
- > Student worksheet



Investigate carbon

Lesson 4

Student field activity

Searching for carbon

Years 3 to 4



WithOnePlanet

Open education
An xpend Foundation initiative

WithOnePlanet.org.au



Searching for carbon

Lesson 4: Student fieldwork activity



Another reason carbon is so hard to capture is that it is everywhere but you can't see it. It hides in living things like trees and people. It also hides in dead things like leaves that have fallen from trees. It can even hide in non-living things such as rocks and also hides deep below the Earth's surface. It is a master of hiding, so never try to play hide and seek with carbon – carbon will always win!

Activity 1: Have a look around you ... what can you see?

Answer the following questions in the table over the page.

- Q1:** Make a list, in the column called 'What can I see?' of all the things you can see from where you are standing.
- Q2:** Fill in the second column called 'Does it contain carbon?' If you're not sure whether the object you can see contains carbon or not, write NOT SURE.
- Q3:** Fill in the third column by explaining how you know that the object does or does not contain carbon. If you don't know, write down one way you could find this out.

What can I see?	Does it contain carbon? YES/NO/NOT SURE	How do I know or how can I find out?



Activity 2:

Here is a drawing of a tree.

What things does the tree need so that it can grow bigger?

Plants take up minerals through their roots ----->

Q4: Draw in the box below and label all the things that the tree needs from its environment to live and grow bigger.

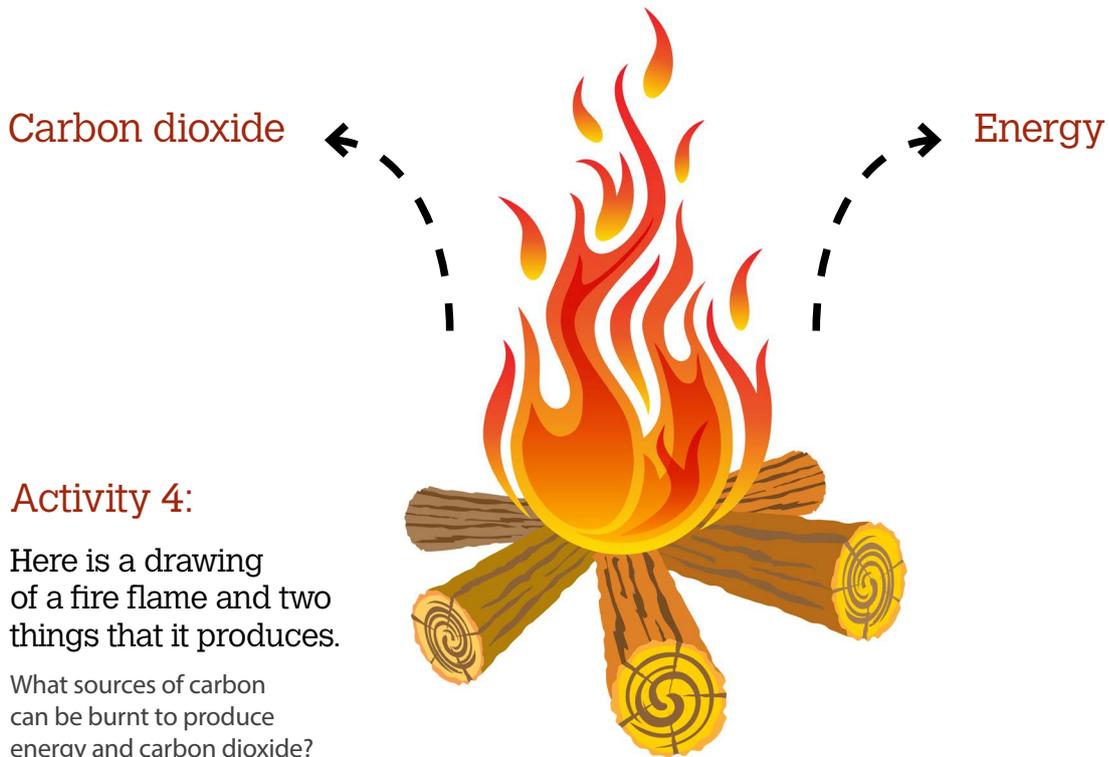


Activity 3:

Here is a drawing of a person.

What things does the person need from the environment to survive and grow?

Q5: Draw in the box below and label all the things that the person needs from the environment to survive and grow.



Activity 4:

Here is a drawing of a fire flame and two things that it produces.

What sources of carbon can be burnt to produce energy and carbon dioxide?

Q6: In the box below draw and label some of the sources of carbon that can be burnt.

1. Coal	2.
3.	4.