

Name:

Grade:

School:

Date:

WithOnePlanet

- > Module 1:
Carbon
- > Level:
Years 3 to 4
- > INQuIRY:
Investigate
- > Lesson 3:
Carbon in disguise
- > Student worksheet



Investigate carbon

Lesson 3

Student fieldwork activity

Carbon in disguise

Years

3 to 4



WithOnePlanet.org.au

INQuIRY A row of six circular icons: a blue megaphone, a green puzzle piece, a red magnifying glass, a purple circular arrow, and an orange sun.

WithOnePlanet

Open education
An xpend Foundation initiative

Carbon in disguise

Lesson 3: Student fieldwork activity



One of the reasons that carbon is so hard to catch is that it can change its disguise! It is so clever that it can look like a black powder one moment and a sparkling diamond the next!

But don't be fooled ... it is still the very same carbon ... just in disguise.

Have a look at all of these different forms that carbon can take. Some of these are pure carbon and some are produced when carbon mixes with other substances.

SAFETY: DO NOT taste or touch any of the carbon specimens.

Make a drawing of each form of carbon listed in the table below and write a sentence describing what it looks like.

Carbon black	<div style="border: 1px dashed black; height: 200px; width: 100%;"></div>
--------------	---

Diamond

Diamond	

Carbon rod

Carbon rod	

Graphite

Graphite	

Charcoal

Charcoal	

Carbon dioxide

Carbon dioxide	

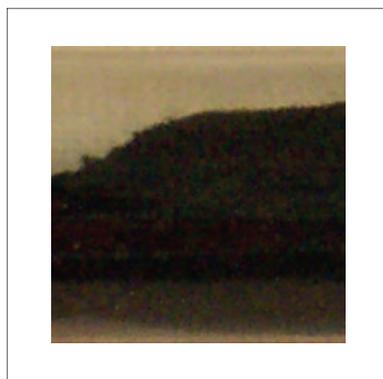
Chalk

Chalk	

Oil	

If you are not able to look at real examples of the different forms of carbon, here are some pictures you can use:

1. Carbon black



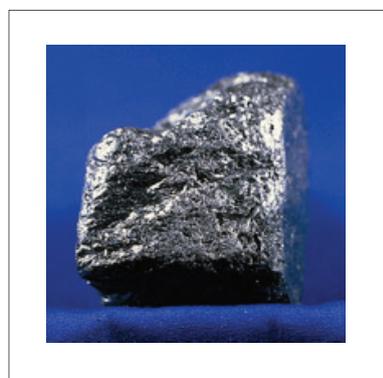
2. Diamond



3. Carbon rod



4. Graphite



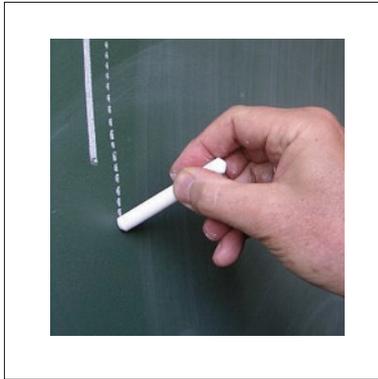
5. Charcoal



6. Carbon dioxide



7. Chalk



8. Oil

