

Name: .....

Grade: .....

School: .....

Date: .....

## WithOnePlanet

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# Investigate carbon

Lesson 3

Student fieldwork activity

Carbon in disguise

Years **3** to **4**



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# 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>
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Diamond

Diamond	

Carbon rod

Carbon rod	

Graphite

Graphite	

Charcoal


Carbon dioxide


Chalk


Oil	
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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

