

Name:

Grade:

School:

Date:

WithOnePlanet

- > Module 1: Carbon
- > Level: Years 7 to 8
- > INQuIRY: Introduce
- > Lesson 1: Carbon – the source of our energy
- > Student worksheet



Introduce

Lesson 1
Student worksheet
Carbon – the source of our energy

Years **7** to **8**



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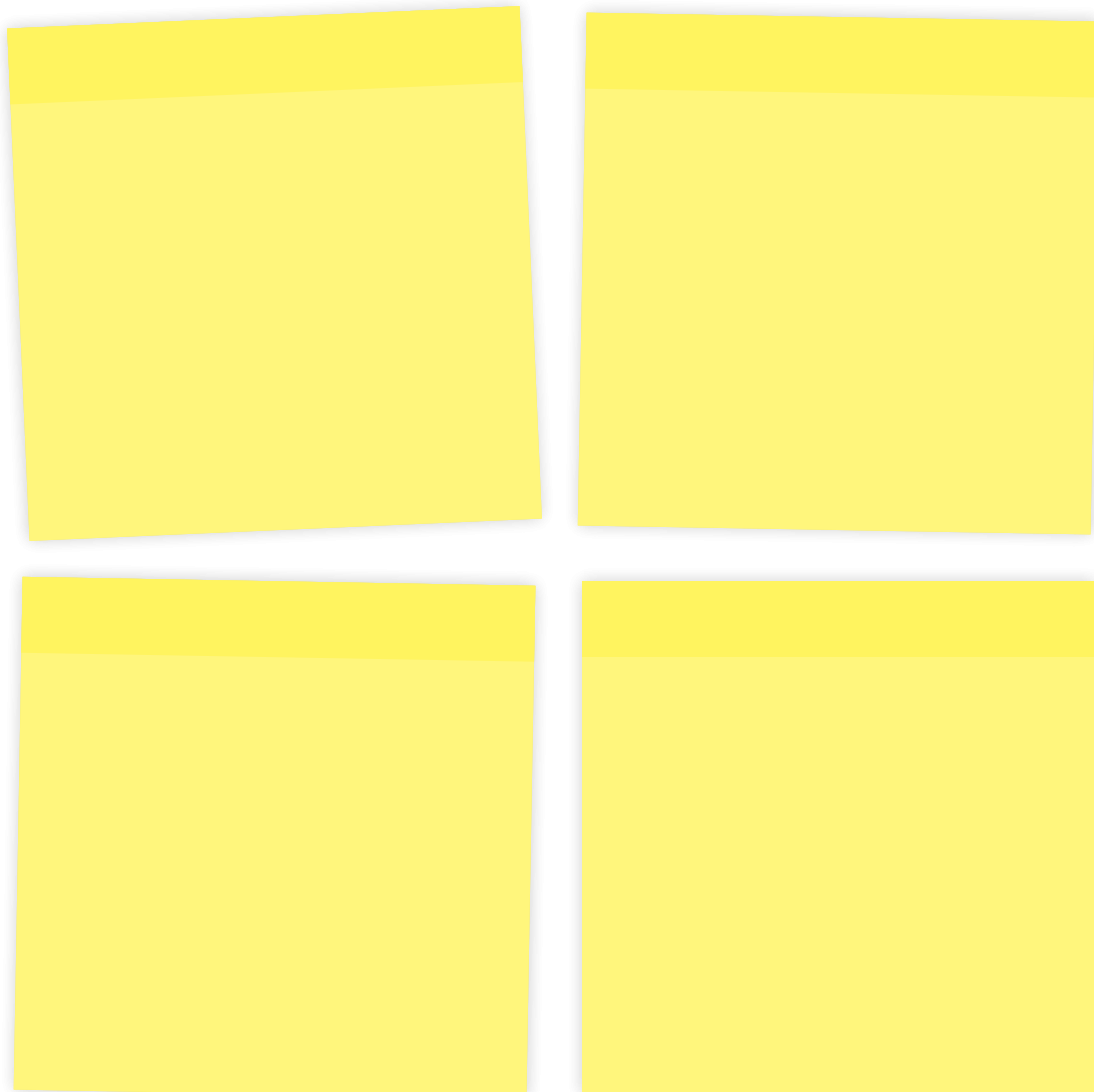
Carbon – the source of our energy

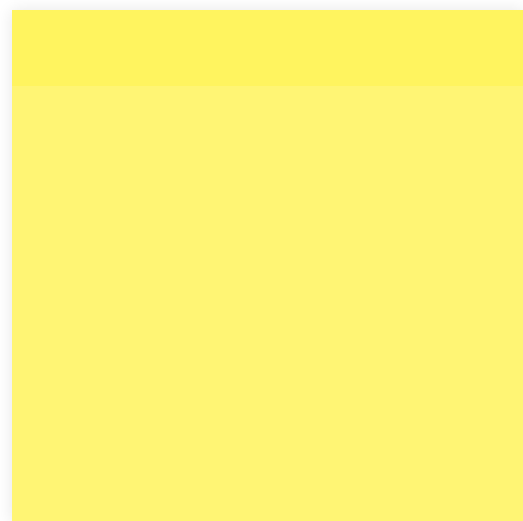
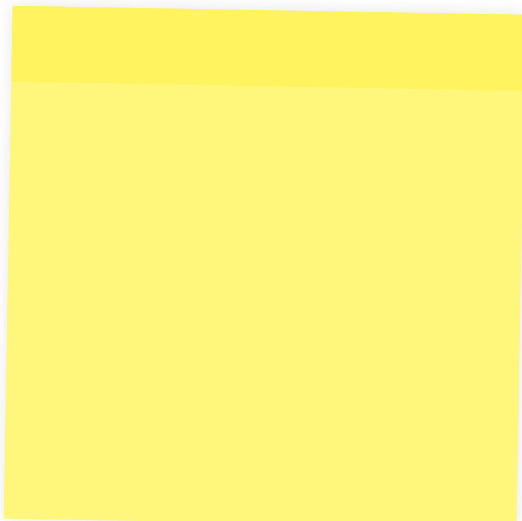
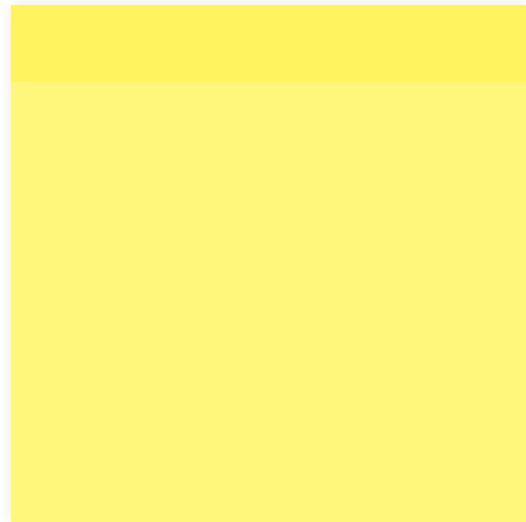
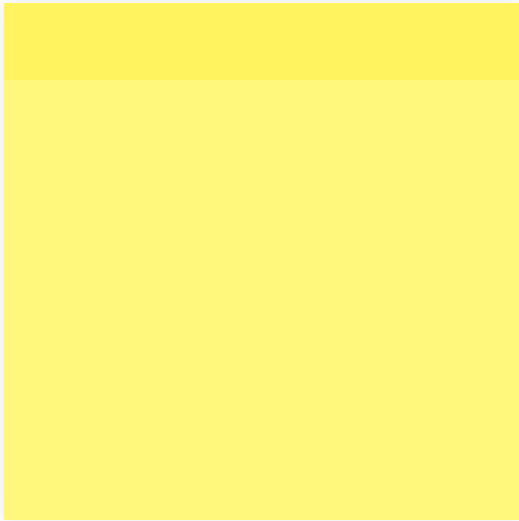
Lesson 1: Student worksheet

Activity 1: Generate–Sort–Connect–Elaborate

Generate

- > Generate as many different ideas about CARBON as you can
- > Ideas can be provided in any form – word, picture, symbol, phrase, process, diagram etc.
- > Each idea should be written on a separate sticky note.





Sort

- > When you have finished choose your 3 favourite ideas, cut them out and place them on the carbon circles according to how related to carbon you think they are. Sticky notes closer to the word carbon are more directly related to carbon than sticky notes placed further out
- > Once all sticky notes have been placed on the carbon circles, take a closer look at it and then answer the questions below.

Q1: Are the sticky notes in the correct places? Why/why not?



Q2: What should the main theme(s) or topic areas for each section (or ripple) of the map be?



- > Once the class has agreed on a set of themes, help to rearrange the sticky notes under each theme.

Connect

- > Look at the map and see if you can make any connections between sticky notes. The sticky notes can be within a ripple or between ripples.

Write a short sentence explaining how the two sticky notes connect.



- > Go up to the map and draw in your connection. Connect up the two sticky notes with a line and write how they connect on the line.

Elaborate

- > Once all of the connections have been made, take another look at the map. What do you notice? Do you have any other thoughts or ideas about the map?

List your observations, thoughts and ideas in the space below.



Activity 2: Colour–Symbol–Image (CSI)

Instructions

- > Take another look at the map generated by the class in Activity 1
- > In a group of 3, discuss and identify:
 1. a colour that you feel best represents or captures the essence of carbon
 2. a symbol that you feel best represents or captures the essence of carbon
 3. an image that you feel best represents or captures the essence of carbon
- > Place your final colour, symbol and image for carbon in the boxes below.

Colour	Symbol	Image

- > Share your CSI ideas with the class.