

Name: .....

Grade: .....

School: .....

Date: .....

### WithOnePlanet

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# Review

Lesson 8

Student worksheet

Seeing carbon in your own reflection

# Years 5 to 6



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# Seeing carbon in your own reflection

## Lesson 8a: Student worksheet

The game 'Jeopardy!' originally started as a television game show in America in the 1960s. The show is a quiz competition in which contestants are presented with general knowledge clues in the form of answers, and must phrase their responses as a question. It is still running in the U.S. today.

The Carbon futures version of 'Jeopardy!' is designed to help you review your understanding of the different carbon-related concepts that have been covered during the unit. All the answers are from the unit, and it is your job, first to develop some suggested questions, and then to play the game with your classmates.

The steps outlined below will help you prepare your game board and questions and prepare you to take up the 'Carbon in Jeopardy!' challenge against others in your class.

For a demonstration of how 'Jeopardy' works, check out the video below. Good luck!



Jeopardy! – <https://www.youtube.com/watch?v=5fwkI8pBPVg>



### Step 1: Prepare your Suggested Question Board

You will need to think of a suggested question for every word that appears in a square on the Answer Board.

To do this, you will need to read each answer word from the Answer Board and then review all of the worksheets and other tasks that you have completed during the unit to find out about the answer word. Then you can write your suggested question into the corresponding box on the Suggested Question Board.

All of the answer words will have more than one question that can be asked to get that answer. However, it is fine for you to only think of one suggested question as long as you are flexible during the game if a player provides another correct questions other than the one that you have thought out.

Write all of your suggested questions onto the Suggested Question Board provided.

## Step 2: Gather your equipment

To play 'Carbon in Jeopardy!' you will need the following:

- > A Game Board for all players to play on.
- > Your Suggested Question Board (Don't show this to anyone!).
- > A scorecard.
- > 2 other players (i.e. a total of 3 players).
- > A non-permanent marker and eraser (if using a re-useable game board) or a pen/pencil.

Source:

Kent R 2012, *Thomas Horn on Jeopardy Kids Week 2010*, viewed 30 December 2013, <<http://youtu.be/29dAveio9Vo>>.

## Step 3: Let's play Carbon in Jeopardy!

### The Rules

1. Place a Game Board in the centre of the space.

**IMPORTANT NOTE:** All Answer Boards and Suggest Question Boards should NOT be visible to any of the players. Place these face down at any time that they are not being used.

2. A player selects a square on the Game Board by stating the category and the number of points e.g. 'All about carbon for 500 points'.

**NOTE:** The number of points corresponds to the difficulty of the suggested question.

3. The person to the right of the current player – the adjudicator - BRIEFLY checks their Answer Board and reads out the correct answer word, e.g. 'Sugar'. The adjudicator immediately places their Answer Board face down again.

4. Once the player has heard the answer word they have 3 seconds only to provide a suggested answer. The person to the left of the current player - the timekeeper/scorer - judges whether the player has asked the suggested question by the 3 second mark.

5. If the player has provided a suggested answer, the adjudicator can check their Suggested Question Board to determine whether the question provided is correct or not.

**NOTE:** As there are many different Suggested Questions for the one answer word, it is important that the adjudicator is flexible in their judgement of whether the suggested question is correct or not. The adjudicator can consult the timekeeper or their teacher if they are unsure.

6. If a player provides a correct suggested question, they can place a cross over the answer word in that square and take another turn. The timekeeper/scorer can add the appropriate number of points to the Scorecard under the player's name.

If a player provides an incorrect suggested question, they cannot place a cross in the corresponding square on the Game Board, or make a second attempt to provide a suggested question for that answer word. The person to the left now takes a turn.

7. The game is finished when all squares contain crosses. A player wins by being the person with the highest total score.

Good luck!

### Carbon in Jeopardy! Answer Board

Categories:	All about carbon	The carbon cycle and electricity	CO <sub>2</sub> emissions	Ecological footprints	Living with our neighbours
100 points	Element	Carbon cycle	Atmosphere	Ecological footprint	Black balloon
200 points	Compound	Electricity	CO <sub>2</sub> emissions	Global hectare	Lifestyle
300 points	Chemical bond	Carbon dioxide	Forests	Energy	Asia-Pacific
400 points	Methane	Energy transformation	350 ppm	Resources	Education
500 points	Sugar	Non-renewable	Ice cores	Climate change	Equality
1000 points	Crude oil	Fire	Ocean acidification	Comparisons	Collaboration

### Carbon in Jeopardy! Suggested Question Board

(Write your suggested questions in the boxes corresponding to the correct answer word on the Answer Board.)

Categories:	All about carbon	The carbon cycle and electricity	CO <sub>2</sub> emissions	Ecological footprints	Living with our neighbours
100 points					
200 points					
300 points					
400 points					
500 points					
1000 points					

## Carbon in Jeopardy! Scorecard

(For use when playing the game only. Laminate or cover with plastic if you wish to reuse it.)

Player 1	Player 2	Player 3
Name:	Name:	Name:
Points awarded:	Points awarded:	Points awarded:
Total score:	Total score:	Total score:

# Carbon in review

## Lesson 8b: Student worksheet

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Try to complete the following sentence starts to help you reflect on your learning during this unit on carbon.

**During this unit ...**

I really liked the way I

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I wish I had

---

---

I still need to work on

---

---

I am most proud of

---

---

The tricky part was

---

---

I was reminded of

---

---

I was able to clearly explain

---

---

I can easily remember

---

---

I found I needed further help on

---

---

I changed the way I

---

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