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Level 1

Scientists close to turning air into fuel

11th June, 2018

FREE online quizzes, mp3 listening and more for this lesson here:

<https://breakingnewsenglish.com/1806/180611-carbon-capture-1.html>

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Please try Levels 0, 2 and 3. They are (a little) harder.

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THE READING

From <https://breakingnewsenglish.com/1806/180611-carbon-capture-1.html>

Scientists are close to making carbon capture work. Carbon capture is capturing carbon dioxide (CO₂) and storing it somewhere safe. A company called Carbon Engineering says it is close to capturing CO₂ from the air and turning it into carbon-neutral fuel. This is a big step forward in fighting global warming. Scientists also said they have cut the cost of carbon capture from \$1,000 per ton of captured CO₂ to as low as \$94 per ton.

The technology works by sucking air into special towers. CO₂ is mixed with a liquid and frozen. This is then heated and mixed with hydrogen to make fuels like gasoline. A Carbon Engineering professor is hopeful about the future and the fight against climate change. He said: "We can confidently say that...air capture...is a [realistic] and buildable technology for producing carbon-neutral fuels in the...future, and for removing carbon in the long run."

Sources: <https://www.ecowatch.com/carbon-capture-technology-canada-2576234738.html>
<https://boingboing.net/2018/06/08/its-becoming-much-cheaper-to.html>
<http://www.sciencemag.org/news/2018/06/cost-plunges-capturing-carbon-dioxide-air>

PHRASE MATCHING

From <https://breakingnewsenglish.com/1806/180611-carbon-capture-1.html>

PARAGRAPH ONE:

- | | |
|-----------------------------------|--------------------|
| 1. close to making carbon capture | a. safe |
| 2. storing it somewhere | b. warming |
| 3. turning it into carbon- | c. as \$94 per ton |
| 4. This is a big step | d. neutral fuel |
| 5. global | e. the cost |
| 6. they have cut | f. work |
| 7. \$1,000 per ton of | g. forward |
| 8. as low | h. captured CO2 |

PARAGRAPH TWO:

- | | |
|--------------------------------|-------------------|
| 1. sucking air into | a. heated |
| 2. CO2 is mixed | b. run |
| 3. This is then | c. the future |
| 4. make fuels | d. with a liquid |
| 5. hopeful about | e. say that |
| 6. climate | f. special towers |
| 7. We can confidently | g. like gasoline |
| 8. removing carbon in the long | h. change |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/1806/180611-carbon-capture-1.html>

Scientists (1) _____ making carbon capture work.

Carbon capture is capturing carbon dioxide (CO₂)

(2) _____ somewhere safe. A company called

Carbon Engineering says it is close to capturing CO₂

(3) _____ and turning it into carbon-neutral fuel.

This is a (4) _____ in fighting global warming.

Scientists also said they have (5) _____ of carbon

capture from \$1,000 per ton of captured CO₂

(6) _____ as \$94 per ton.

The technology works by sucking (7) _____

towers. CO₂ is mixed (8) _____ and frozen. This

is then heated and mixed with hydrogen to

(9) _____ gasoline. A Carbon Engineering

professor is hopeful about the future (10) _____

against climate change. He said: "We can

(11) _____...air capture...is a [realistic] and

buildable technology for producing carbon-neutral fuels in

the...future, and for removing carbon (12) _____

run."

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/1806/180611-carbon-capture-1.html>

Scientists are close to making carbon capture work. Carbon capture is capturing carbon dioxide (CO₂) and storing it somewhere safe. A company called Carbon Engineering says it is close to capturing CO₂ from the air and turning it into carbon-neutral fuel. This is a big step forward in fighting global warming. Scientists also said they have cut the cost of carbon capture from \$1,000 per ton of captured CO₂ to as low as \$94 per ton. The technology works by sucking air into special towers. CO₂ is mixed with a liquid and frozen. This is then heated and mixed with hydrogen to make fuels like gasoline. A Carbon Engineering professor is hopeful about the future and the fight against climate change. He said: "We can confidently say that... air capture... is a [realistic] and buildable technology for producing carbon-neutral fuels in the... future, and for removing carbon in the long run."

CARBON CAPTURE SURVEY

From <https://breakingnewsenglish.com/1806/180611-carbon-capture-4.html>

Write five GOOD questions about carbon capture in the table. Do this in pairs. Each student must write the questions on his / her own paper. When you have finished, interview other students. Write down their answers.

	STUDENT 1 _____	STUDENT 2 _____	STUDENT 3 _____
Q.1.			
Q.2.			
Q.3.			
Q.4.			
Q.5.			

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student A: Do not show these to your speaking partner(s).

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

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WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student B: Do not show these to your speaking partner(s).

a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

