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Ready-to-Use English Lessons by Sean Banville

Level 2

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-2.html

Contents

Please try Levels 0, 1 and 3. They are (a little) harder.

THE READING

From https://breakingnewsenglish.com/1806/180611-carbon-capture-2.html

Scientists are close to making carbon capture work. Carbon capture is taking waste carbon dioxide (CO2) from power plants and storing it so it does not harm the environment. A company called Carbon Engineering say its scientists are close to capturing CO2 from the air and turning it into carbon-neutral fuel. This is a big step forward in the fight against global warming. The scientists also said they have reduced the cost of carbon capture, to as low as $94 per ton of CO2 captured. Scientists used to say carbon capture would cost about $1,000 per ton captured.

Carbon Engineering's technology works by sucking air into special towers. CO2 is mixed with a liquid and frozen. It is then heated and mixed with hydrogen. This produces fuels like gasoline and jet fuel. Carbon Engineering's Professor David Keith is hopeful about the future of this process. He thinks his company could fight climate change. He said: "After 100 years of practical engineering...we can confidently say that...air capture...is a [realistic] and buildable technology for producing carbon-neutral fuels in the immediate 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-2.html

PARAGRAPH ONE:

1. power	a. CO2 from the air
2. so it does not harm	b. per ton captured
3. close to capturing	c. warming
4. This is a big step	d. as $94
5. global	e. plants
6. reduced	f. forward
7. as low	g. the environment
8. cost about $1,000	h. the cost

PARAGRAPH TWO:

1. CO2 is mixed with a	a. about the future
2. This produces fuels like	b. future
3. Keith is hopeful	c. engineering
4. After 100 years of practical	d. run
5. a realistic and buildable	e. neutral fuels
6. producing carbon-	f. liquid and frozen
7. in the immediate	g. gasoline
8. in the long	h. technology

LISTEN AND FILL IN THE GAPS

From https://breakingnewsenglish.com/1806/180611-carbon-capture-2.html

Scientists (1) _____ making carbon capture work. Carbon capture (2) _____ carbon dioxide (CO2) from power plants and storing it so it (3) _____ the environment. A company called Carbon Engineering say its scientists are close to capturing CO2 from the air (4) _____ into carbon-neutral fuel. This is a big step forward in the fight against global warming. The scientists also said they have (5) _____ of carbon capture, to as low as $94 per ton of CO2 captured. Scientists used to say carbon capture (6) _____ $1,000 per ton captured.

Carbon Engineering's technology works (7) _____ into special towers. CO2 is mixed with a liquid and frozen. It is then heated (8) _____ hydrogen. This produces fuels like gasoline and jet fuel. Carbon Engineering's Professor David Keith (9) _____ the future of this process. He thinks his company could fight climate change. He said: "After 100 years of practical engineering...we (10) _____ that...air capture...is a [realistic] and buildable technology for producing carbon-neutral (11) _____ immediate future, and for removing carbon in (12) _____."

PUT A SLASH (/)WHERE THE SPACES ARE

From https://breakingnewsenglish.com/1806/180611-carbon-capture-2.html

Scientistsareclosetomakingcarboncapturework.Carboncaptureistak
ingwastecarbondioxide(CO2)frompowerplantsandstoringitsoitdoes
notharmtheenvironment.AcompanycalledCarbonEngineeringsayits
scientistsareclosetocapturingCO2fromtheairandturningitintocarbon
-neutralfuel.Thisisabigstepforwardinthefightagainstglobalwarming
.Thescientistsalsosaidtheyhavereducedthecostofcarboncapture,toa
slowas$94pertonofCO2captured.Scientistsusedtosaycarboncaptur
ewouldcostabout$1,000pertoncaptured.CarbonEngineering'stechn
ologyworksbysuckingairintospecialtowers.CO2ismixedwithaliquida
ndfrozen.Itisthenheatedandmixedwithhydrogen.Thisproducesfuels
likegasolineandjetfuel.CarbonEngineering'sProfessorDavidKeithish
opefulaboutthefutureofthisprocess.Hethinkshiscompanycouldfightc
limatechange.Hesaid:"After100yearsofpracticalengineering...weca
nconfidentlysaythat...aircapture...isa[realistic]andbuildabletechnol
ogyforproducingcarbon-neutralfuelsintheimmediatefuture,andforr
emovingcarboninthelongrun."

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) _____

WRITING

From https://breakingnewsenglish.com/1806/180611-carbon-capture-2.html

Write about **carbon capture** for 10 minutes. Read and talk about your partner's paper.