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Level 1

New device can smells bombs and diseases

30th August, 2017

<http://www.breakingnewsenglish.com/1708/170830-biotechnology-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 <http://www.breakingnewsenglish.com/1708/170830-biotechnology-1.html>

A Nigerian scientist has made a new computer that has artificial intelligence. Dr Oshi Agabi's new computer can smell. He called it Koniku. He has raised over \$1 million and his project has made \$10 million in profit. Google and Microsoft, and security companies are interested in it. Koniku will be in drones and airport security systems. It will smell bombs and explosives. It will also be in hospitals to smell diseases in humans.

Dr Agabi did not use silicon chips in Koniku. These are not powerful enough to make things to recognize smells. Agabi based his device on neurons from mice. Neurons are brain cells that share information. They use electricity to send information. Using neurons in computers is called biotechnology. Agabi said: "Biology is technology...Our deep learning networks are all copying the brain." He added: "We want to build a...system that has intelligence."

Sources: <http://www.bbc.com/news/technology-40935771>
<http://www.nan.ng/tech/nigerian-agabi-makes-drones-smell-bombs/>
<http://www.hindustantimes.com/world-news/nigerian-scientist-creates-neuron-based-ai-device-that-can-smell/story-6ra9sFunYGj8l6k1M24q8K.html>

PHRASE MATCHING

From <http://www.breakingnewsenglish.com/1708/170830-biotechnology-1.html>

PARAGRAPH ONE:

- | | |
|---------------------------|---------------------|
| 1. artificial | a. and explosives |
| 2. He has raised | b. interested in it |
| 3. made \$10 million | c. in humans |
| 4. security companies are | d. over \$1 million |
| 5. airport security | e. hospitals |
| 6. It will smell bombs | f. intelligence |
| 7. It will also be in | g. systems |
| 8. smell diseases | h. in profit |

PARAGRAPH TWO:

- | | |
|---|---------------------|
| 1. silicon | a. smells |
| 2. These are not powerful | b. networks |
| 3. make things to recognize | c. information |
| 4. Neurons are brain cells that share | d. chips |
| 5. They use electricity to send | e. has intelligence |
| 6. Using neurons in computers is called | f. enough |
| 7. deep learning | g. information |
| 8. build a system that | h. biotechnology |

LISTEN AND FILL IN THE GAPS

From <http://www.breakingnewsenglish.com/1708/170830-biotechnology-1.html>

A Nigerian scientist (1) _____ new computer that has (2) _____. Dr Oshi Agabi's new computer can smell. He called it Koniku. He (3) _____ \$1 million and his project has made \$10 (4) _____. Google and Microsoft, and security companies are interested in it. Koniku will (5) _____ and airport security systems. It will smell bombs and explosives. It will also be in hospitals to (6) _____ humans.

Dr Agabi did not (7) _____ Koniku. These are not powerful enough to (8) _____ recognize smells. Agabi based (9) _____ neurons from mice. Neurons are brain cells that share information. They use (10) _____ information. Using neurons in computers is called biotechnology. Agabi said: "Biology is technology...Our deep learning networks are all (11) _____." He added: "We want to (12) _____ that has intelligence."

PUT A SLASH (/) WHERE THE SPACES ARE

From <http://www.breakingnewsenglish.com/1708/170830-biotechnology-1.html>

An Nigerian scientist has made a new computer that has artificial intelligence. Dr Oshi Agabi's new computer can smell. He called it Koniku. He has raised over \$1 million and his project has made \$10 million in profit. Google and Microsoft, and security companies are interested in it. Koniku will be in drones and airport security systems. It will smell bombs and explosives. It will also be in hospital to smell diseases in humans. Dr Agabi did not use silicon chips in Koniku. These are not powerful enough to make things recognize smells. Agabi based his device on neurons from mice. Neurons are brain cells that share information. They use electricity to send information. Using neurons in computers is called biotechnology. Agabi said: "Biotechnology... Our deep learning networks are all copying the brain. "Headed: "We want to build a... system that has intelligence."

BIOTECHNOLOGY SURVEY

From <http://www.breakingnewsenglish.com/1708/170830-biotechnology-4.html>

Write five GOOD questions about biotechnology 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) _____

