Breaking News English.com

Ready-to-Use English Lessons by Sean Banville

Level 5 – 27th February 2023

Scientists discover Earth has two cores

FREE online quizzes, mp3 listening and more for this lesson here:
https://breakingnewsenglish.com/2302/230227-earths-core-5.html

Contents

Please try Levels 4 and 6. They are (a little) harder.

THE READING

From https://breakingnewsenglish.com/2302/230227-earths-core-5.html

We know little about the centre of Earth. Geologists believed our planet had just one core – a hot mass of molten rock and gas surrounded by a rock mantle. The mantle is a ring between the earth's crust and core. The core is 2,900 kilometres below Earth's surface. It has a radius of around 3,485 kilometres. Scientists have found that there may be a second core. Geophysicist Sunyoung Park analyzed data from a 560-km-deep earthquake. Her calculations showed the possibility of a second core. It consists of a layer of fluid rock at the bottom of the mantle.

Dr Park studied the earthquake and explained what intrigued her about Earth's core. She said: "There's still a lot we don't know about it. There's a lot more we can learn by using deep earthquakes." Park explained the importance of understanding more about the core. She said: "We want to know exactly how fast the mantle flows because that influences the evolution of the entire Earth. It affects how much heat the planet retains for how long….Our current understanding is very limited and includes a lot of assumptions."

Sources: https://**scitechdaily.com**/deep-earthquakes-reveal-shocking-secrets-of-the-inner-earth/
https://www.**indy100.com**/science-tech/earth-two-cores-scientists
https://www.**sciencealert.com**/after-a-20-year-search-scientists-have-finally-found-earths-true-innermost-core

PHRASE MATCHING

From https://breakingnewsenglish.com/2302/230227-earths-core-5.html

PARAGRAPH ONE:

1. a hot mass	a. deep earthquake
2. a ring between the earth's	b. Earth's surface
3. 2,900 kilometres below	c. rock
4. It has a radius of around	d. of molten rock
5. there may	e. of a second core
6. data from a 560-km-	f. crust and core
7. calculations showed the possibility	g. be a second core
8. It consists of a layer of fluid	h. 3,485 kilometres

PARAGRAPH TWO:

1. what intrigued her	a. the planet retains
2. we can learn by	b. fast the mantle flows
3. the importance of	c. assumptions
4. know exactly how	d. understanding more
5. that influences the evolution	e. is very limited
6. how much heat	f. using deep earthquakes
7. Our current understanding	g. of the entire Earth
8. a lot of	h. about Earth's core

LISTEN AND FILL IN THE GAPS

From https://breakingnewsenglish.com/2302/230227-earths-core-5.html

We know little (1) _____ of Earth. Geologists believed our planet had just one core – a hot (2) _____ rock and gas surrounded by a rock mantle. The mantle is a ring between the earth's (3) _____. The core is 2,900 kilometres below Earth's surface. It (4) _____ of around 3,485 kilometres. Scientists have found that there may be a second core. Geophysicist Sunyoung Park (5) _____ a 560-km-deep earthquake. Her calculations showed the possibility of a second core. It consists of a layer of (6) _____ the bottom of the mantle.

Dr Park studied the earthquake and explained (7) _____ about Earth's core. She said: "There's still a lot we don't know about it. There's a lot more we can learn (8) _____ earthquakes." Park explained the importance of understanding more about the core. She said: "We want to know exactly how fast (9) _____ because that influences the evolution (10) _____ Earth. It affects how much heat the planet (11) _____ long….Our current understanding is very limited and includes a (12) _____."

PUT A SLASH (/) WHERE THE SPACES ARE

From https://breakingnewsenglish.com/2302/230227-earths-core-5.html

EARTH SURVEY

From https://breakingnewsenglish.com/2302/230227-earths-core-4.html

Write five GOOD questions about Earth 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) _____

Scientists discover Earth has two cores – 27th February 2023

More free lessons at breakingnewsenglish.com

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/2302/230227-earths-core-5.html

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