

Breaking News English.com

Ready-to-Use English Lessons by Sean Banville

**"1,000 IDEAS & ACTIVITIES
FOR LANGUAGE TEACHERS"**

breakingnewsenglish.com/book.html

**Thousands more free lessons
from Sean's other websites**

www.freeeslmaterials.com/sean_banville_lessons.html

Level 4

Japan finds enough rare-earth metals to last 700 years

14th April, 2018

<https://breakingnewsenglish.com/1804/180414-rare-earth-metals-4.html>

Contents

The Reading	2
Phrase Matching	3
Listening Gap Fill	4
No Spaces	5
Survey	6
Writing and Speaking	7
Writing	8

Please try Levels 5 and 6. They are (a little) harder.

Twitter



twitter.com/SeanBanville

Facebook



www.facebook.com/pages/BreakingNewsEnglish/155625444452176

Google +



<https://plus.google.com/+SeanBanville>

THE READING

From <https://breakingnewsenglish.com/1804/180414-rare-earth-metals-4.html>

Researchers have found reserves of rare-earth metals (REMs) to meet global demand for up to 700 years. Scientists surveyed the Pacific Ocean floor 2,000 kilometers southeast of Tokyo. They say the REMs have "the potential to supply these metals on a semi-infinite basis to the world". Researchers believe the area has over 16 million tons of REMs. There is, "great potential...for some of the most critically important elements in modern society".

There are a total of 17 rare-earth metals. These elements have fairly unknown names, like europium and terbium. Their use has greatly increased with our need for high-tech products. REMs are widely used in hybrid vehicles, wind turbines, disc drives, portable electronics and many other products. Around 90 per cent of REMs used in advanced electronics currently come from China. The new discovery near Japan could bring down prices.

Sources: <https://japantoday.com/category/tech/japan-team-maps-%27semi-infinite%27-rare-earth-reserves>
<https://mainichi.jp/english/articles/20180411/p2a/00m/0na/014000c>
https://en.wikipedia.org/wiki/Rare-earth_element

PHRASE MATCHING

From <https://breakingnewsenglish.com/1804/180414-rare-earth-metals-4.html>

PARAGRAPH ONE:

- | | |
|--------------------------------|------------------------|
| 1. Researchers have found | a. potential |
| 2. meet | b. reserves |
| 3. Scientists surveyed the | c. society |
| 4. on a semi- | d. global demand |
| 5. the area has over | e. important elements |
| 6. great | f. infinite basis |
| 7. some of the most critically | g. Pacific Ocean floor |
| 8. in modern | h. 16 million tons |

PARAGRAPH TWO:

- | | |
|-------------------------------|----------------------------|
| 1. There are a total | a. tech products |
| 2. These elements have fairly | b. increased |
| 3. their use has greatly | c. down prices |
| 4. our need for high- | d. vehicles |
| 5. REMs are widely | e. electronics |
| 6. hybrid | f. of 17 rare-earth metals |
| 7. portable | g. used |
| 8. bring | h. unknown names |

LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/1804/180414-rare-earth-metals-4.html>

Researchers (1) _____ of rare-earth metals (REMs) to meet global demand for up to 700 years. (2) _____ Pacific Ocean floor 2,000 kilometers southeast of Tokyo. They say the REMs have "the (3) _____ these metals on a semi-infinite basis to the world". Researchers (4) _____ has over 16 million tons of REMs. There (5) _____...for some of the most critically important (6) _____ society".

There (7) _____ of 17 rare-earth metals. These elements (8) _____ names, like europium and terbium. Their use has greatly increased with (9) _____ high-tech products. REMs are widely used (10) _____, wind turbines, disc drives, portable electronics and many other products. Around 90 per cent of REMs used in advanced electronics (11) _____ China. The new discovery near Japan could (12) _____.

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/1804/180414-rare-earth-metals-4.html>

Researchers have found reserves of rare-earth metals (REMs) to meet global demand for up to 700 years. Scientists surveyed the Pacific Ocean floor 2,000 kilometers southeast of Tokyo. They say the REMs have "the potential to supply these metals on a semi-infinite basis to the world". Researchers believe the area has over 16 million tons of REMs. There is, "great potential... for some of the most critically important elements in modern society". There are a total of 17 rare-earth metals. These elements have fairly unknown names, like europium and terbium. Their use has greatly increased with our need for high-tech products. REMs are widely used in hybrid vehicles, wind turbines, disc drives, portable electronics and many other products. Around 90 percent of REMs used in advanced electronics currently come from China. The new discovery near Japan could bring down prices.

METALS SURVEY

From <https://breakingnewsenglish.com/1804/180414-rare-earth-metals-4.html>

Write five GOOD questions about metals 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) _____

Japan finds enough rare-earth metals to last 700 years – 14th April, 2018
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) _____

