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Level 2

Scientists find way to mass produce blood

27th March, 2017

<http://www.breakingnewsenglish.com/1703/170327-blood-2.html>

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

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THE READING

From <http://www.breakingnewsenglish.com/1703/170327-blood-2.html>

Scientists from Bristol University have found a way to mass produce blood that is good enough for hospital patients. For many years, they could produce blood in a laboratory. However, the process to do that was very slow and they could not make a lot of blood. The new method means scientists can make an "unlimited supply" of blood. Researcher Dr Jan Frayne said older ways of producing red blood cells used stem cells that could only produce a limited amount of blood. She added: "We have [shown] a [workable] way to sustainably manufacture red cells."

Professor David Anstee, another researcher, told reporters his team now needs the technology to make blood on a large scale – to mass produce it. He said that would be a challenge. He added: "The next phase of our work is to look at methods of [producing more]." He told reporters that at first, they would produce only rare types of blood. He said these are difficult to find with traditional blood donation. He said: "The first...use of [our] red cell product is likely to be for patients with rare blood groups, because suitable...red blood cell donations can be difficult to source."

Sources: <http://www.bbc.com/news/health-39354627>
<http://www.nature.com/articles/ncomms14750>
<http://www.onmedica.com/newsArticle.aspx?id=80fff617-337c-475f-a65d-59c76b4cab0d>

PHRASE MATCHING

From <http://www.breakingnewsenglish.com/1703/170327-blood-2.html>

PARAGRAPH ONE:

- | | |
|------------------------------------|------------------------------|
| 1. mass produce blood that is good | a. supply of blood |
| 2. hospital | b. of blood |
| 3. the process to do that was | c. enough |
| 4. make an unlimited | d. red cells |
| 5. older ways of | e. very slow |
| 6. stem | f. patients |
| 7. produce a limited amount | g. producing red blood cells |
| 8. manufacture | h. cells |

PARAGRAPH TWO:

- | | |
|--------------------------------------|------------------|
| 1. his team now needs the technology | a. a challenge |
| 2. on a large | b. groups |
| 3. He said that would be | c. of our work |
| 4. The next phase | d. to source |
| 5. look at methods of producing | e. scale |
| 6. likely to be for | f. to make blood |
| 7. rare blood | g. more |
| 8. donations can be difficult | h. patients |

LISTEN AND FILL IN THE GAPS

From <http://www.breakingnewsenglish.com/1703/170327-blood-2.html>

Scientists from Bristol University have (1) _____ to mass produce blood (2) _____ enough for hospital patients. For many years, they could produce (3) _____ laboratory. However, the process to do that was very slow and they could not (4) _____ blood. The new method means scientists can make an "unlimited supply" of blood. Researcher Dr Jan Frayne said (5) _____ producing red blood cells used stem cells that could only produce a (6) _____ blood. She added: "We have [shown] a [workable] way to sustainably manufacture red cells."

Professor David Anstee, (7) _____, told reporters his team now needs the technology to make (8) _____ scale – to mass produce it. He said that would be a challenge. He added: "The (9) _____ our work is to look at methods of [producing more]." He told reporters (10) _____, they would produce only rare types of blood. He said these are difficult to find with traditional blood donation. He said: "The (11) _____ red cell product is likely to be for patients with rare blood groups, because suitable...red blood cell donations can be (12) _____."

PUT A SLASH (/) WHERE THE SPACES ARE

From <http://www.breakingnewsenglish.com/1703/170327-blood-2.html>

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BLOOD SURVEY

From <http://www.breakingnewsenglish.com/1703/170327-blood-4.html>

Write five GOOD questions about blood 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 <http://www.breakingnewsenglish.com/1703/170327-blood-2.html>

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