

Lecture Listening Comprehension

Aim: To develop the students' ability to listen to a short lecture, to take notes, use those notes to answer a number of comprehension questions and then reflect on the lecture critically.

Lesson Time: Approximately 1:00 hour

Lead in

- Ask Students to read the 'title' & predict the content of the lecture.
- Ask students to write down key terms & language from the discussion.
- Feed in / check key vocabulary.

Differentiation

Challenging

1. Students listen once & take notes (*Use the blank note-taking pages or pages with sub-headings*).
2. Give 3 minutes to tidy notes.
3. Listen again & add to notes (use a different colour pen).
4. Distribute questions. Set 10 minutes to answer using their notes.
5. Feedback: Distribute or project **ANSWERS**.

Medium

1. Students listen once & take notes (*Use the blank note-taking pages or pages with sub-headings*).
2. Distribute questions. Set 10 minutes to answer using their notes.
3. Listen again. Students answer the missed questions as they listen.
4. Give an extra 5 minutes to consolidate answers.
5. Feedback: Distribute or project **ANSWERS**.

Easier

1. Distribute questions. Students have 5 minutes to read the questions.
2. Students listen & answer the questions.
3. Give 5 minutes to tidy answers.
4. Students listen again. Check answers & answer the missed questions.
5. Give 5 minutes to tidy answers.
6. Feedback: Distribute or project **ANSWERS**.

Critical thinking questions

Option 1: Students individually reflect on the lecture by answering the questions, making notes of their responses, and writing a short critical response paragraph to submit for teacher or peer feedback.

Option 2: Students ask and answer the questions in small groups.

Full URL Link: https://www.ted.com/talks/emma_bryce_how_does_the_immune_system_work

How does the immune system work?

[Listening Comprehension Questions]

Author: Emma Bryce

Subject: Medicine

Date: Sep, 2018

Time: 5:09

Level: **** [B2/C1]

Link: https://www.ted.com/talks/emma_bryce_how_does_the_immune_system_work

Check these words and phrases before listening:

Key vocabulary

1. Mosquito.
2. To inject.
3. Defences.
4. Leukocytes.
5. Bone marrow.
6. Bloodstream.
7. Lymphatic system.
8. Phagocytes.
9. Macrophages.
10. Dendritic cells.
11. Vessels.
12. To screen.
13. Pathogens.
14. Invaders.
15. Adaptable.
16. Threats.
17. To coordinate.
18. To encounter.
19. To consume.
20. To ingest.
21. Chemicals.
22. To leak.
23. To eradicate.
24. Surveillance.
25. Antigens.
26. Antibodies.
27. To sabotage.
28. Autoimmune disease.

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Note-taking sheet (blank) Page 1

Note-taking sheet (blank) page 2

Note-taking sheet (sub-headings) page 1

1. Introduction

2. The immune system

3. Leukocytes

4. Classification of leukocytes

Note-taking sheet (sub-headings) page 2

5. The immune response

6. Autoimmune Disease

7. Conclusion

How does the immune system work? Emma Bryce

https://www.ted.com/talks/emma_bryce_how_does_the_immune_system_work

Use your notes to answer the following questions using the sections headings to help you.

1. Introduction

1.1. What does your immune system protect you against?

i.		ii.		iii.	
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2. The immune system

2.1. What does the immune system consist of?

i.		ii.		iii.	
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2.2. What would you be exposed to without the immune system?

i.		ii.		iii.	
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3. Leukocytes

3.1. How many leukocytes in one microliter of blood.

3.2. What do leukocytes do?

4. Classification of leukocytes

4.1. How do phagocytes trigger the immune response?

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4.2. What is the relationship between antigens and antibodies?

5. The immune response

5.1. What happens when body cells are damaged?

5.2. What are the two benefits of the immune system?

i.		ii.	
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6. Autoimmune Disease

6.1. What happens in the immune system when people have autoimmune disease?

7. Conclusion

7.1. Over your lifetime, how many colds will your immune system fight off?

Critical thinking: *What did you find interesting about the lecture? Is there anything the speaker missed? Did the animation help with your understanding of the points? What else would you like to know about how the immune system works? How do you think our understanding of the immune system will change in the future?*

How does the immune system work? KEY

1. Introduction

1.1. What does your immune system protect you against?

i.	<i>Infection.</i>	ii.	<i>Illness.</i>	iii.	<i>Disease.</i>
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2. The immune system

2.1. What does the immune system consist of?

i.	<i>Cells.</i>	ii.	<i>Tissues.</i>	iii.	<i>Organs.</i>
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2.2. What would you be exposed to without the immune system?

i.	<i>Bacteria.</i>	ii.	<i>Viruses.</i>	iii.	<i>Toxins.</i>
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3. Leukocytes

3.1. How many leukocytes in one microliter of blood.

4,000-11,000

3.2. What do leukocytes do?

They screen the blood, tissues and organs for suspicious signs.

4. Classification of leukocytes

4.1. How do phagocytes trigger the immune response?

They send macrophages and dendritic cells into the blood. As these circulate, they destroy any foreign cells they encounter by consuming them.

4.2. What is the relationship between antigens and antibodies?

Each antigen has a unique, matching antibody that can latch onto it like a lock and key and destroy the invading cells.

5. The immune response

5.1. What happens when body cells are damaged?

They release chemicals that make fluid leak into the tissues causing swelling. This attracts phagocytes, which consume the damaged cells.

5.2. What are the two benefits of the immune system?

i.	<i>It stops a threat from escalating to dangerous levels inside the body.</i>	ii.	<i>It helps us to develop long-term immunity.</i>
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6. Autoimmune Disease

6.1. What happens in the immune system when people have autoimmune disease?

The immune system attacks the body's healthy cells.

7. Conclusion

7.1. Over your lifetime, how many colds will your immune system fight off?

An estimated 300.