



Mini Lectures Book ¹

EXAMPLE



1. **Tourism and leisure:** *Cruise holidays – the biggest cruise ship in the world.* [04:15]
2. **Finance, business, marketing:** *Charities – The National Trust* [03:31]
3. **Technology / engineering:** *Electric cars.* [04:12]
4. **Environment:** *Single use plastics – bio-plastic the alternative?* [04:12]
5. **Science / biology:** *cybernetic organisms.* [03:40]

Level **** [B1/B2/C1]

Copyright: These materials are photocopiable but please leave all logos and web addresses on handouts. **Please don't post these materials onto the web.** Thank you

Lecture content

1. **Tourism and leisure:** *Cruise holidays – the biggest cruise ship in the world* [04:15].

The 4-minute lecture focuses on the largest cruise ship in the world 'The Symphony of the Seas'. The lecturer provides facts and figures about the ship including size, staterooms, crew and features. He then illustrates the true cost of the ticket with many of the hidden costs not included in the 'all-inclusive price'. It finishes with a summary about the popularity of cruising. The listening test worksheet includes: [table completion](#), [summary gap fill](#), and [vocabulary](#).

2. **Finance, business, marketing:** *Charities – The National Trust* [03:31].

The 3.35-minute lecture focuses on Europe's biggest conservation charity 'The National Trust'. The lecturer provides information on how it started, the property and land that they own and the cost of conservation. He then discusses the National Trust's annual income using their 2019/2020 annual report and highlights the diverse range of employment within the organisation. The listening test worksheet includes: [open questions](#), [gap fill & vocabulary](#).

3. **Technology / engineering:** *Electric cars – a comparison of two e-cars* [04:12].

The 4-minute lecture focuses on the recent facts and figures connected to the growth of electric car market. The lecturer compares the top two most popular models of EV in the UK at the moment. He then asks the question on whether the UK is ready for the electric car revolution and what needs to be done to meet this goal. The listening test includes [open questions & table completion](#).

4. **Environment:** *Single use plastics – bio-plastic the alternative?* [04:12].

The 4-minute lecture focuses on the recent facts and figures connected to single use micro plastic pollution. The lecturer presents bioplastic as a possible alternative and analyses the company Vegware: plant-based compostable plastics. He discusses the process of creating bioplastic through the use of corn starch – polylactic acid. He questions whether bioplastic is a valid environmental alternative for SUPs and concludes by suggesting other measures that would be more successful. The listening test includes: [open questions](#), [table completion & summary gap fill](#).

5. **Science / biology:** *cybernetic organisms* [03:40].

The 3:40 minute lecture starts by defining cybernetic organisms and gives some examples of restorative medical procedures that are currently being offered. It then provides information about enhanced procedures that will be available in the near future. It finishes with a discussion about the ethical issues of cybernetic organisms. The listening test includes: [gap fill exercises](#), [open questions & multiple choice](#).

1. Cruises



Mini Lecture

EXAMPLE

Copyright: These materials are photocopyable but please leave all logos and web addresses on handouts. **Please don't post these materials onto the web.** Thank you

Lesson Plan: Cruises

Lesson: Lecture Listening.

Time: 1 hour.

Level: *****[B1/ B2/C1].

Lesson Aim:

To focus on one key topic and develop a range of key academic skills based on this topic.

Introduction [5 minutes]

- Introduce the topic 'cruising'.
- What is a cruise?
- Have you ever been on a cruise or know anyone who has?
- What do you think about this type of holiday?

Listening: Lecture & Test Questions [30-40 minutes]

Video (04:12): Available in paid download

MP3: Available in paid download

- Give out **Listening: mini lecture worksheet**.
- Students check key vocabulary.

Option 1

- Students look at the questions.
- Students listen & answer the questions.
- Give 2 minutes to tidy answers.
- Students listen again. Check answers & answer missed questions.
- Feedback: distribute or project **ANSWERS**.

Option 2

- Students listen & take notes (*use paper or the PPT slides*)
- Students listen again & add to their notes.
- Students use their notes to answer the questions.
- Feedback: distribute or project **ANSWERS**.

Post lecture extra ideas

- Write a 100-word summary of the lecture.
- Apply critical thinking strategies to the lecture. Use this critical thinking question document: <https://www.academic-englishuk.com/wp-content/uploads/2020/03/Critical-Questions-a-linear-model-AEUK.pdf> (writing, presentation or seminar).
- Research another cruise ship company (presentation or seminar).
- Research the positives and negatives of the cruise industry (presentation or seminar).

Listening: Mini Lecture Worksheet

Task 1: Key vocabulary

Check these words before listening:

_____	sheer size.	decks.	crew members.	a _____.	features.	the _____.
_____	superstructure.	_____	promenade.	floating.	internal cabin _____	all-inclusive.
_____.	alcoholic beverage.	_____	a transfer.	_____.	demand.	seasonality.

Lecture Listening

Listen to the lecture on the biggest cruise ship in the world and fill in the information below.



Task 2: Table completion

Fill in the figures about the ship:

1) Weight (tons)	_____	2) _____	3) Height (m)	_____	4) _____	_____
5) Passengers	_____	6) _____	7) Crew	_____	_____	_____
8) _____	_____	9) _____	10) Shop _____	_____	_____	_____

____ / 10

Task 3: Name three _____ the ship:

i) _____	ii) _____	iii) _____
----------	-----------	------------

____ / 3

Task 4: How much is a _____ Caribbean cruise for two people?

Fill in the missing spaces with numbers or words (first letter given).





Prices start at i) £_____ for an internal cabin _____. If you'd like a room with a _____, this will cost ii) £_____ There are some services not included these are iii) _____ speciality _____, iv) S_____ E_____, spa and sauna, _____, non-alcoholic beverages and v) I_____ A_____. Extra _____ at vi) £_____ to £50 _____ with all the extras, transfer flights and VAT added is vii) £_____.

____ / 7

Total Score ____ / 20

PowerPoint Slides

Listen to the lecture and take notes using the PPT slides

<h3>The Symphony of the Seas</h3>  <p>WWW.ACADEMIC-ENGLISHUK.COM</p> <p>Academic English UK</p>	
<h3>Facts & Figures</h3>  <p>tonnes</p> <p>WWW.ACADEMIC-ENGLISHUK.COM</p> <p>Academic English UK</p>	
<h3>Features</h3>  <p>Tropical Park</p> <p>WWW.ACADEMIC-ENGLISHUK.COM</p> <p>Academic English UK</p>	
<h3>How much does a cruise holiday cost?</h3>  <ul style="list-style-type: none">• Integral cabin balcony & sea view• Speciality restaurants• Excursions• Spa & sauna• Beverages• Internet• Extra packages• Transfers• +VAT <p>WWW.ACADEMIC-ENGLISHUK.COM</p> <p>Academic English UK</p>	

Listening ANSWERS

Task 2: Table completion

Figures of the size of the ship

1) Weight (tons)	228,000	2) Length (m)	362	3) Height (m)	73	4) Decks	18
------------------	---------	---------------	-----	---------------	----	----------	----

ALL ANSWERS ARE INCLUDED IN PAID VERSION...

Symphony of the Seas Lecture Transcript

(C. Watts 2021)

Hello and welcome to this mini lecture today on the world's largest cruise ship the 'Symphony of the Seas' owned and operated by Royal Caribbean International. She took three years to build at a cost of over £1bn and offered her first passenger cruise on 7 April 2018 through the Mediterranean. The ship.....

THE FULL TRANSCRIPT IS INCLUDED IN THE PAID VERSION...



2.Charities



Mini Lecture

EXAMPLE

Copyright: These materials are photocopiable but please leave all logos and web addresses on handouts. **Please don't post these materials onto the web.** Thank you

Lesson Plan: Charities

Lesson: Lecture Listening.

Time: 1 hour

Level: *****[B1/ B2/C1].

Lesson Aim:

To focus on one key topic and develop a range of key academic skills based on this topic.

Introduction [5 minutes]

- Introduce the topic 'charities'.
- What does charity mean?
- Have you ever donated to a charity?
- Have you ever volunteered for a charity?

Listening: Lecture & Test Questions [30-40 minutes]

Video (03:30): Available in paid download

MP3: Available in paid download

- Give out **Listening: mini lecture worksheet**.
- Students check key vocabulary.

Option 1

- Students look at the questions.
- Students listen & answer the questions.
- Give 2 minutes to tidy answers.
- Students listen again. Check answers & answer missed questions.
- Feedback: distribute or project **ANSWERS**.

Option 2 (harder)

- Students listen & take notes (*use paper or the PPT slides*)
- Students listen again & add to their notes.
- Students use their notes to answer the questions.
- Feedback: distribute or project **ANSWERS**.

Post lecture extra ideas

- Write a 100-word summary of the lecture.
- Apply critical thinking strategies to the lecture. Use this critical thinking question document: <https://www.academic-englishuk.com/wp-content/uploads/2020/03/Critical-Questions-a-linear-model-AEUK.pdf> (writing, presentation or seminar).
- Research another charity company (presentation or seminar).
- Research the positives and negatives of the charities (presentation or seminar).

Listening: Mini Lecture Worksheet

1: Key vocabulary

Check these words before listening:

Moat.	_____	Craftmanship.	_____	Acquisition.	To restore.	To preserve.	_____
Dismantled.	Decaying.	_____	Rot.	Infestation.	Monuments.	To _____	Donations.
To secure.	_____	. Wills.	Volunteers.	Seasonal.	_____	. Relunched.	_____
							Medieval.

2. Lecture Listening

Listen to the lecture on the National Trust and answer the following questions:



2.1. Introduction

i.	When was the National Trust established?	_____
ii.	How _____	_____

___ / 2

2.2. Why does the lecturer _____ properties?

i.	_____
ii.	_____
iii.	_____

___ / 3

2.3. Restoration project

i.	When was Ightham Mote built?	_____
ii.	How _____ to restore?	_____
iii.	Why did it _____ money?	_____

___ / 3

2.4. What do these figures refer to?

i.	£630 million	_____
ii.	_____	_____
iii.	£95.2 million	_____

___ / 3

2.5. Name three ways the _____ activities.

i.	_____
ii.	_____
iii.	_____

___ / 3

2.6. Why is the National Trust _____ ?

i.	_____
ii.	_____
iii.	_____

___ / 3

2.7. How many _____ Trust receive in 2020?

i.	_____
----	-------

___ / 1









2.8. Complete the gaps in the following information about the charity's relaunch strategy:

'Nature, beauty and _____ For _____, for ever' _____ / 2

Total Score ___ / 20

PowerPoint Slides

Listen to the lecture and take notes using the PPT slides

<h3>The National Trust</h3>  <p>WWW.ACADEMIC-ENGLISHUK.COM</p>	
<h3>Historic Houses</h3>  <p>WWW.ACADEMIC-ENGLISHUK.COM</p> <p><i>Example: Ightham Mote</i></p> 	
<h3>Annual Income</h3>  <ul style="list-style-type: none">• Memberships• Donations• Grants, National Lottery & Art Council• Gifts• Commercial activities 	
<h3>Volunteers</h3>  <h3>Visitors</h3>  <p>Relaunched strategy <i>Nature, beauty.....</i></p> 	

Listening ANSWERS

2.1. Introduction

i.	When was the National Trust established?	1895
ii.	How many acres of land does it own?	610,000

ALL ANSWERS ARE INCLUDED IN PAID VERSION...

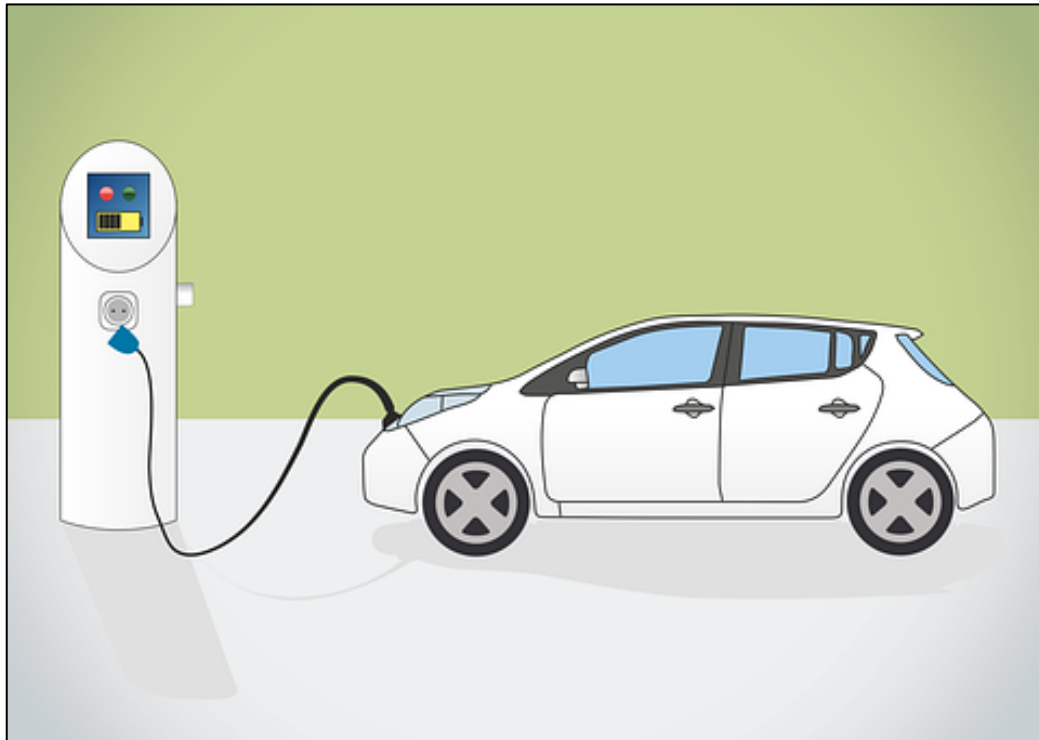
The National Trust Lecture Transcript

by C. Watts (2021)

Hello and welcome to this short lecture on Europe's largest conservation charity the National Trust. Established in 1895, with the acquisition of 4.5 acres of cliff land in Wales it now, 125 years later, owns 610,000 acres of land, 780 miles of coastline and more than 500 historic houses, castles, ancient monuments, gardens, parks and nature reserves, which provides access to everyone.

THE FULL TRANSCRIPT IS INCLUDED IN THE PAID VERSION...

3. Electric Cars



Mini Lecture

EXAMPLE

Copyright: These materials are photocopiable but please leave all logos and web addresses on handouts. **Please don't post these materials onto the web.** Thank you

Lesson Plan: Electric Cars

Lesson: Lecture Listening.

Time: 1 hour

Level: *****[B1/ B2/C1].

Lesson Aim:

To focus on one key topic and develop a range of key academic skills based on this topic.

Introduction [5 minutes]

- Introduce the topic 'electric cars'.
- What is an electric car?
- Do you or anyone you know own an electric car?
- What are the advantages and disadvantages of electric cars?

Listening: Lecture & Test Questions [30-40 minutes]

Video (04:13): Available in paid download

MP3: Available in paid download

- Give out **Listening: mini lecture worksheet**.
- Students check key vocabulary.

Option 1

- Students look at the questions.
- Students listen & answer the questions.
- Give 2 minutes to tidy answers.
- Students listen again. Check answers & answer missed questions.
- Feedback: distribute or project **ANSWERS**.

Option 2

- Students listen & take notes (*use paper or the PPT slides*)
- Students listen again & add to their notes.
- Students use their notes to answer the questions.
- Feedback: distribute or project **ANSWERS**.

Post lecture extra ideas

- Write a 100-word summary of the lecture.
- Apply critical thinking strategies to the lecture. Use this critical thinking question document: <https://www.academic-englishuk.com/wp-content/uploads/2020/03/Critical-Questions-a-linear-model-AEUK.pdf> (writing, presentation or seminar).
- Research another electric car (presentation or seminar).
- Research the positives and negatives of the electric cars (presentation or seminar).

Listening: Mini Lecture Worksheet

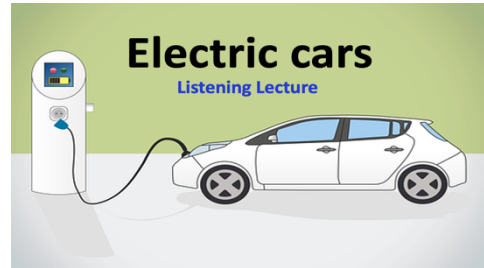
Task 1: Key vocabulary

Check these words before listening:

electric car. [redacted]. diesel. petrol. exponential [redacted]. [redacted]. [redacted].
 [redacted]. TESLA. NISSAN. [redacted]. a saloon car. 0-60 mph. a single charge. futuristic.
 auto-pilot. [redacted] self-driving cars. [redacted]. charging station. [redacted]
 [redacted]. spatial awareness. [redacted]. credentials. [redacted]. second nature.

Task 2: Lecture Listening

Listen to the lecture on electric cars and answer the following questions.



2.1 Open Questions

i) What kind of growth has the electric car market seen in the last few years? (include data)

--	--

___ / 2

ii) What are the [redacted] to improve the environment?

1	
2	

___ / 2

2.2 The TESLA 3

i) First car built in		ii) Price (£)		iii) [redacted] (sec)	
-----------------------	--	---------------	--	-----------------------	--

iv) Top speed (mph)		v) [redacted] (miles)		vi) Superfast charge (time)	
---------------------	--	-----------------------	--	-----------------------------	--

___ / 6

2.3 The NISSAN Leaf

i) Price (£)		ii) 0-60 mph (sec)		iii) [redacted] (mph)	
--------------	--	--------------------	--	-----------------------	--

iv) [redacted] (miles)		v) Quick charge (time)			
------------------------	--	------------------------	--	--	--

vi) What is the [redacted] technology?	
--	--

___ / 6

2.4 Is the UK ready for [redacted]? use data to support your answer.





Yes	No
Why?	

___ / 2

Total Score ___ / 18

PowerPoint Slides

Listen to the lecture and take notes using the PPT slides

<h3>The UK electric car market</h3>  <p>WWW.ACADEMIC-ENGLISHUK.COM</p> <p><small>AE Academic English UK</small></p>	
<h3>The Tesla 3</h3>  <p>WWW.ACADEMIC-ENGLISHUK.COM</p> <p><small>Image: https://www.tesla.com/en_gb</small></p> <p><small>AE Academic English UK</small></p>	<p>WWW.ACADEMIC-ENGLISHUK.COM</p>
<h3>The Nissan Leaf</h3>  <p>WWW.ACADEMIC-ENGLISHUK.COM</p> <p><small>Image: http://www.nissan.co.uk/vehicles/leaf.html</small></p> <p><small>AE Academic English UK</small></p>	
<h3>The future of electric cars</h3>  <p>WWW.ACADEMIC-ENGLISHUK.COM</p> <p><small>AE Academic English UK</small></p>	

Listening ANSWERS

Task 2: Lecture Listening

Listen to the lecture on the electric cars and fill in the information below.

2.1 Open Questions

i) What kind of growth has the electric car market seen in the last few years? (include data)

- *Extremely positive growth over the last few years.*
- *From November 2020, grew by 10% compared to*

ALL ANSWERS ARE INCLUDED IN PAID VERSION...

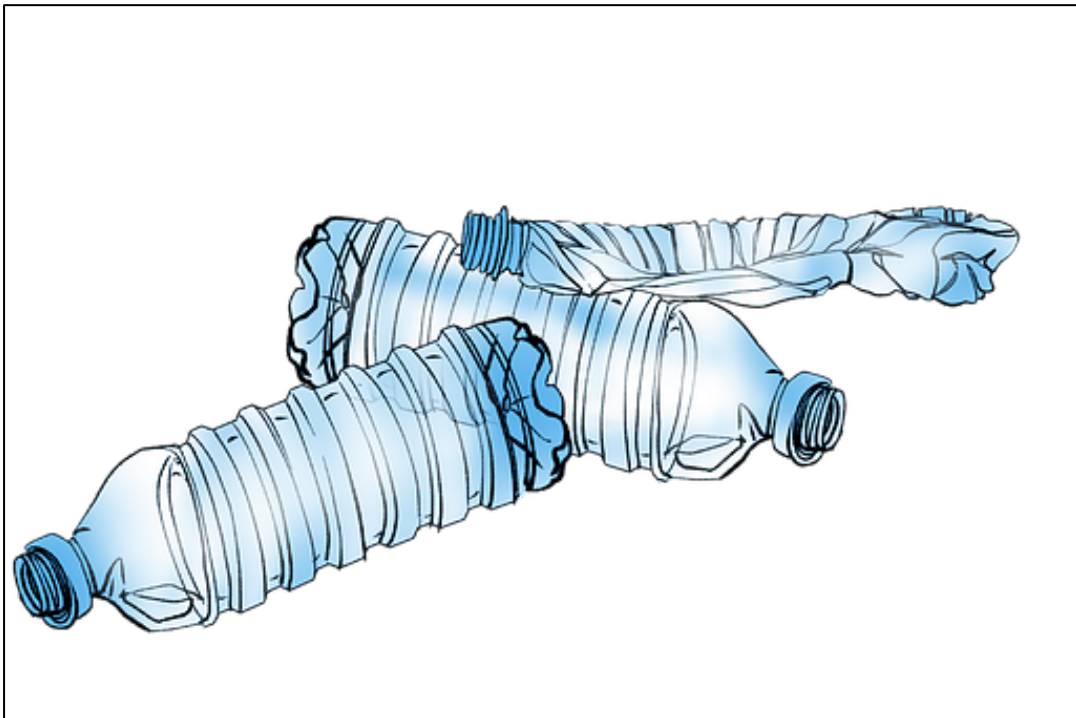
Electric cars lecture transcript

(C. Watts 2021)

Hello and welcome to this mini lecture on electric cars. The UK electric car market has seen extremely positive growth over the last few years. In fact, from November 2020, the market share of full-electric vehicles known as EVs and Hybrids known as PHEVs, grew by 10% compared to just under 3% the year before. According to Statistica, one out of ...

THE FULL TRANSCRIPT IS INCLUDED IN THE PAID VERSION...

4. Single use plastics



Mini Lecture

EXAMPLE

Copyright: These materials are photocopyable but please leave all logos and web addresses on handouts. **Please don't post these materials onto the web.** Thank you

Lesson Plan: Single use plastics

Lesson: Lecture Listening

Time: 1 hour.

Level: *****[B1/ B2/C1].

Lesson Aim:

To focus on one key topic and develop a range of key academic skills based on this topic.

Introduction [5 minutes]

- Introduce the topic 'single use plastics'.
- What are single use plastics?
- Do you use single use plastics? Give examples.
- What are the problems with single use plastics?

Listening: Lecture & Test Questions [30-40 minutes]

Video (04:12): Available in paid download

MP3: Available in paid download

- Give out **Listening: mini lecture worksheet.**
- Students check key vocabulary.

Option 1

- Students look at the questions.
- Students listen & answer the questions.
- Give 2 minutes to tidy answers.
- Students listen again. Check answers & answer missed questions.
- Feedback: distribute or project **ANSWERS.**

Option 2

- Students listen & take notes (*use paper or the PPT slides*)
- Students listen again & add to their notes.
- Students use their notes to answer the questions.
- Feedback: distribute or project **ANSWERS.**

Post lecture extra ideas

- Write a 100-word summary of the lecture.
- Apply critical thinking strategies to the lecture. Use this critical thinking question document: <https://www.academic-englishuk.com/wp-content/uploads/2020/03/Critical-Questions-a-linear-model-AEUK.pdf> (writing, presentation or seminar).
- Research another type of bioplastic (presentation or seminar).
- Research the solutions to the single use plastics problem (presentation or seminar).

Listening: Mini Lecture Worksheet

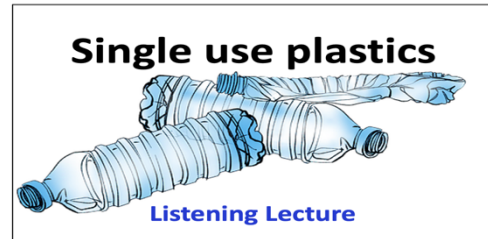
Task 1: Key vocabulary

Check these words before listening:

Single use plastics. _____ . petrochemicals. _____ . packaging. to _____ .
 _____ . compostable. _____ . sustainable. glucose. a _____ derived from.
 pellets. a starch. a _____ . moulded. caution. to _____ . landfill. _____ .
 _____ accountable. a mindset. _____ phase-out. a shift. _____ economy.

Task 2: Lecture Listening

Listen to the lecture on the single use plastics and fill in the information below.



2.1 Open questions

i) What are single use plastics?

___ / 1

ii) What two places have these plastics been found?

Microplastics		Microfibres	
1		1	
2		2	

___ / 4

2.3 What is Vegware?

___ / 2

2.4 Summary: The process of PLA. (Fill in gaps with 1 suitable word).

Polylactic acid is derived from corn plants. These plants _____ the i) _____, in the form of ii) _____. This is _____ produce iii) _____ acid. A chemical _____ acid into a iv) _____, which can be made into pellets, _____ as iv) _____. This _____ plastic.
 ___ / 5

2.4 Name the _____ with Vegware?

i.	
ii.	
iii.	

___ / 3

2.5 What are the three main solutions for our _____ problem?

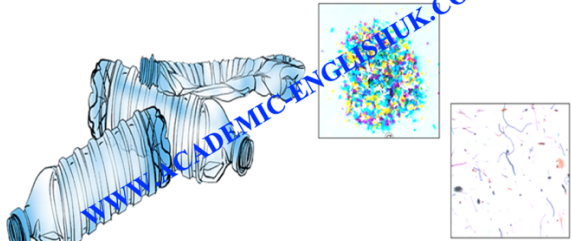
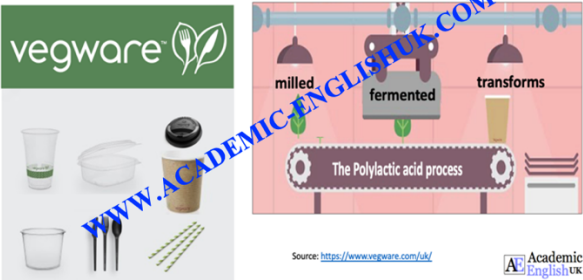


i.	
ii.	
iii.	

___ / 3

Total Score ___ / 18

PowerPoint Slides

Listen to the lecture and take notes using the PPT slides

<h3>Single use plastics</h3>  <p>Academic English UK</p>	
<h3>Bioplastics</h3>  <p>Source: https://www.vegware.com/uk/</p> <p>Academic English UK</p>	
<h3>Vegware issues</h3>  <p>Academic English UK</p>	
<h3>The future</h3>  <p>Academic English UK</p>	

Listening ANSWERS

2.1 Open questions

i) What are single use plastics?

- Single use plastics *derived from fossil fuel-based chemicals,*
- Single-use plastics are used for packaging, bottles, wrappers, straws, and bags. (Any of these)

ALL ANSWERS ARE INCLUDED IN PAID VERSION...

Single use plastics lecture transcript

(C. Watts 2021)

Hello, and welcome to this mini lecture on single use plastics and possible alternatives. As you may be aware plastic pollution has become a serious environmental issue. As we are just discovering, single-use plastics, derived from fossil fuel-based chemicals, and most commonly used for packaging, bottles, wrappers, straws, and bags, are breaking up into micro plastics in the environment. These are spreading....

THE FULL TRANSCRIPT IS INCLUDED IN THE PAID VERSION...

5. Biohacking



Mini Lecture

EXAMPLE

Copyright: These materials are photocopyable but please leave all logos and web addresses on handouts. Please don't post these materials onto the web. Thank you

Lesson Plan: Biohacking

Lesson: Lecture Listening.

Time: 1 hour.

Level: *****[B1/ B2/C1].

Lesson Aim:

To focus on one key topic and develop a range of key academic skills based on this topic.

Introduction [5 minutes]

- Introduce the topic 'Biohacking'.
- Have you ever heard of Biohacking?
- What are cybernetic organisms?

Listening: Lecture & Test Questions [30-40 minutes]

Video (03:40): Available in paid download

MP3: Available in paid download

- Give out **Listening: mini lecture worksheet**.
- Students check key vocabulary.

Option 1

- Students look at the questions.
- Students listen & answer the questions.
- Give 2 minutes to tidy answers.
- Students listen again. Check answers & answer missed questions.
- Feedback: distribute or project **ANSWERS**.

Option 2

- Students listen & take notes (use paper or the PPT slides in the Appendix)
- Students listen again & add to their notes.
- Students use their notes to answer the questions.
- Feedback: distribute or project **ANSWERS**.

Post lecture extra ideas

- Write a 100-word summary of the lecture.
- Apply critical thinking strategies to the lecture. Use this critical thinking question document: <https://www.academic-englishuk.com/wp-content/uploads/2020/03/Critical-Questions-a-linear-model-AEUK.pdf> (writing, presentation or seminar).
- Research other types of cybernetic organisms (presentation or seminar).
- Research the positives and negatives of biohacking (presentation or seminar).

Listening: Mini Lecture Worksheet

Task 1: Key vocabulary

Check these words and phrases before listening:

cybernetic		universal discipline.			prosthetic
	mimic.	alleviate.		enhanced.	mechanical device.
constraints.	ethical.		intellectual gulf.	join	
					CRISPR.
					alter.

Task 2: Lecture Listening

Listen to the lecture _____ and answer the following questions:



2.1 Gap Fill

i) What are cybernetic organisms? Complete the gaps. The first letter is already given.

C _____ are _____ and m _____ body parts to either improve body m _____ or to enhance one's capabilities.
--

___ / 3

2.2 Open Questions

i.	What two _____ ?	
ii.	Who benefits from cochlear implants?	
iii.	_____	
iv.	Who benefits from brain pacemakers?	
v.	How _____ each year?	

___ / 6

2.3 Multiple choice

Choose one answer only for each question.

i.	Exoskeletons provide the user with..	A. _____
		B. Artificial strength and endurance
		C. _____
ii.	_____ be..	A. 100 times smarter than us
		B. _____
		C. 1,000,000 times smarter than us
iii.	Some in the field think that...	_____
		B. Humans will need protection from cyborgs

iv.	Which of these ethical _____ serious?	A. intellectual gulf

		C. the interference with the blue print of life

___ / 4

2.4 Gap Fill

i) What does the lecturer _____ ? Complete the gaps.

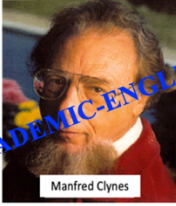













This may seem like science _____ but it is, actually, science _____.
--

___ / 2

Total Score ___ / 15

Appendix: PowerPoint Slides

Listen to the lecture and take notes using the PPT slides

<h3>Cyborgs</h3> <p>Definition (Medical Futurist, 2019)</p>  <p>Manfred Clynes</p> 	
<h3>Cyborg technology</h3>  <p>cochlear implants</p>  <p>artificial retinas</p>  <p>prosthetic limbs</p>  <p>brain pacemakers</p> 	
<h3>Rapid Advancement</h3>  <p>exoskeletons</p>  <p>translation earbuds</p>  <p>brain-computer interfaces</p>  <p>CYBORG FOUNDATION</p> 	<p>WWW.ACADEMIC-ENGLISHUK.COM</p>
<h3>Ethical questions</h3> <ol style="list-style-type: none">1. Intellectual gulf2. Pressure to join or fall behind3. Interference with the blue print of life  <p>CRISPR</p> 	

Listening ANSWERS

2.1 Gap Fill

i) What are cybernetic organisms? Complete the gaps. The first letter is already given.

*Cyborgs are a combination of organic and **mechanical** body parts to either improve body **malfunctions** or to enhance one's capabilities.*

ALL ANSWERS ARE INCLUDED IN PAID VERSION...

Cybernetic Organisms lecture transcript

(C. Watts 2021)

Hello and welcome to this mini lecture on cybernetic organisms or commonly known as cyborgs. According to the Medical Futurist 2019, cyborgs are a combination of organic and mechanical body parts to either improve body malfunctions or to enhance one's capabilities. The term 'Cyborg' was coined in 1960 by Manfred Clynes, it was used to describe the technological enhancement of the human body for space travel through the use of DRUGS and SURGERY....

THE FULL TRANSCRIPT IS INCLUDED IN THE PAID VERSION...