



Microchips

Reading Test

EXAMPLE

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Student

Time: Approximately 1hour

Two types of lesson

Lesson#1: [Easy] ***** [B2/C1]

- 1. Predict the content of the text by reading the title. Write down the key terms & ideas.
- 2. Read the text. Check the unknown words with a dictionary.
- 3. Answer the comprehension questions.
- 4. Check your answers with the provided key (pass mark is 70%).

Lesson #2: [Hard] ***** [C1]

- 1. Read the text without looking up any words.
- 2. Answer the comprehension questions.
- 3. Check your answers with the provided key (pass mark is 70%).

Teacher

Two types of lesson

Lesson#1: [easy] ***** [B2/C1]

- 1. Distribute **text 1 (without reference words underlined)** a week before the test. Students read, check vocabulary & meanings.
- 2. Test day. Distribute **text 2 (with reference words underlined)** & the **questions** (no dictionary or notes).
- 3. Set 1 hour to read the text & answer the questions.
- 4. Take in & correct or go through answers in class (pass mark is 70%).
- 5. Extra activity. Students write the *summary (add 30 minutes to the test).

Lesson #2: [hard] ***** [C1]

- 1. Test day. Distribute text 2 (with reference words underlined) & the questions.
- 2. Set 1 hour to read the text & answer the questions.
- 3. Take in & correct or go through answers in class (pass mark is 70%).
- 4. Extra activity. Students write the *summary (add 30 minutes to the test).



^{*}Summary writing: www.academic-englishuk.com/summary



The microchip shortage (text 1) **EXAMPLE**

By C Wilson (2022)
The current global shortage of the miniscule, integrated circuits known as microchips and found in a
, to cars looks set to continue for a number of years,
as demand for these low-cost but highly-efficient
Microchip production is known for its fluctuations, as can be seen over the last three years wherein
but then two years later grew from 6.5% to 26%, and
with sales toppling almost one billion in April 2021, yet this growing scarcity first seen in the electronics
industry, has now spread to the automotive
considerable consequences (Gooding, 2021; Shein, 2021).
The microchip shortage can be traced back to the beginning of 2020, when the Covid-19 pandemic
hit. Shein (2021) argues that the increase and home-
schooling meant chip manufacturers shifted their focus from cars. Now that these restrictions have
our incessant need for cutting-edge technology once
again increased, but also prices of items such as computer
and 8% respectively (The Week, 2021). Although the demand for cars has returned to a high level,
production worth of lost production due to
shutdowns of Ford and General Motors plants across North America and Jaguar Land Rover's poor
sales over the last two years (Gooding, 2021). As
many car companies such as Nissan, Renault and Ram Tracks have had to omit certain elements from
, such as navigation systems and intelligent rear view
mirrors for blind spots (Shead, 2021). What has also become apparent over these last two years is the manufacturers. Although
production and 70% of memory chip output now happens in Asia because costs are lower, specifically
at Samsung Manufacturing Company (TSMC), which
also suffered at the hands of the country's worst drought in over fifty years in 2021, leaving many
manufacturers with (Shein, 2021; The Week, 2021;
Gooding, 2021). Therefore, it could be said that although global health crises and natural disasters
cannot be foreseen, of manufacturing diversification.
In order to prevent the current crisis from deepening, Gooding (2021) reveals that in Asia, both
Samsung and TSMC plans , whereas in Europe, the
European Commission aims to double its global chip production by 2030 with up to €30bn as manufacturers (Shead, 2021). With regard to North
America, Shein (2021) reports that the new \$250bn Innovation
the sector, in and Texas Instruments who have
vowed to build a total of eight new fabrication facilities. However, not only are the fabrication plants
extremely complex and expensive to construct, it can
the silicon required into useable chips (The Week,
2021). Moreover, as reported by Shein (2021), microchip supply chains could be more transparent
and diverse, with a focus on more regional industry
a just-in-time approach and more towards just-in-case,
and by using the analytical and statistical data available,
to 'match and manual processes'. Thus, although plenty
of investment is being put forward, what is also needed major
changes are made to supply chains.





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Available at:

				_
As it is estimated that the microchip shortage				, and as
a result, product delays could continue for	even longer	, the optimal	solution would	be for
semiconductor	XXXXXXX	in supply a	nd demand. This	s can be
achieved through avoiding a dependency on San	nsung and TM	ISC and making	better use of th	e supply
and demand data available in order to be	XXXXXXXX			. As
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	how much	we need to I	have the latest	gaming
console or OLEG television, so that the			time.	•
Reference list				
Gooding, M., (2021). Here's what we know about the				
https://techmonitor.ai/technology/chip-shortage-tsn	nc-samsung-us	<u>-uk-taiwan-auto</u> i	<u>notive</u> [Viewed	
02.03.2022].				
Shead, S., (2021). The global	XXXXXXXX		online]. Available a	ıt:
https://www.cnbc.com/2021/05/07/chip-shortage-is	-starting-to-ha	ve-major-real-w	orld-consequences	<u>s.html</u>
[Viewed 20.03.2022].				
Shein, E., (2021). Global chip shortage: Everything yo	u need to know	/ [online]. Availal	ole at:	
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	[Viewed 20.03	.2022].		
The Week, (2021). 'There is no end in sight': everythin	na to know aha	out the areat mic	rochin shortage [o	nlinel
The treet, (2022). There is no end in sight : everythin	ig to milett abo	at the great line	ocp sor tage to	

[Viewed 20.03.2022].



The microchip shortage (text 2) **EXAMPLE**

By C Wilson (2022)

1. The current global shortage of the miniscule, integrat	ed circuits known as microchips and found in
a , to ca	rs looks set to continue for a number of years,
as demand for these low-cost but highly-efficient	
Microchip production is known for its fluctuations, as ca	· · · · · · · · · · · · · · · · · · ·
but the	n two years later grew from 6.5% to 26%, and
with sales toppling almost one billion in April 2021, yet th	is growing scarcity first seen in the electronics
industry, has now spread to	the automotive
considerable consequ	ences (Gooding, 2021; Shein, 2021).
2. The microchip shortage can be traced back to the beg	
hit. Shein (2021) argues that the increase	and home-
schooling meant chip manufacturers shifted their focus our ince	from cars. Now <u>that these restrictions</u> have essant need for cutting-edge technology once
again increased, but also prices of items such as compu	ter
and 8% respectively (The Week, 2021). Although the de	emand for cars has returned to a high level,
production	worth of lost production due to
shutdowns of Ford and General Motors plants across N	lorth America and Jaguar Land Rover's poor
sales over the last two years (Gooding, 2021). As	.cxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
many car companies such as Nissan, Renault and Ram Tr	acks have had to omit certain elements from
, such as	navigation systems and intelligent rear view
mirrors for blind spots (Shead, 2021). What has also become	ome apparent over these last two years is the
manufacturers. Although	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
production and 70% of memory chip output now happer	s in Asia because costs are lower, specifically
at Samsung	Manufacturing Company (TSMC), which
also suffered at the hands of the country's worst droug	ght in over fifty years in 2021, leaving many
manufacturers with	(Shein, 2021; The Week, 2021;
Gooding, 2021). The refore, it could be said that althou	gh global health crises and natural disasters
cannot be foreseen,	of manufacturing diversification.
3. In order to prevent the current crisis from deepenin	
Samsung and TSMC plans	, whereas in Europe, the
European Commission aims to double its global chip	
	cturers (Shead, 2021). With regard to North
America, Shein (2021) reports that the new \$250bn Inno	
the sector, in	and Texas Instruments who have
vowed to build a total of eight new fabrication facilities.	
extremely complex and expensive to construct,	it can
	con required into useable chips (The Week,
2021). Moreover, as reported by Shein (2021), microch	
and diverse, with a focus on more regional	industry
	e approach and more towards just-in-case,
and by using the analytical and statistical data available	
	nd manual processes'. Thus, although plenty
of investment is being put forward, what is also needed	major
changes are made to supply chains.	





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4. As it is estimated that the microchip shortage			, and
as a result, product delays could continue fo	r even longer,	the optimal solution would	d be for
semiconductor	XXXXXXXX	in supply and demand. Thi	<u>is</u> can be
achieved through avoiding a dependency on San	nsung and TMSC	and making better use of th	ne supply
and demand data available in order to be	XXXXXXXXXX	XXXXXXXXXXXXXXXX	. As
*******************************	how much we	need to have the latest	gaming
console or OLEG television, so that the	XXXXXXXXXXXX	time	<u>.</u>
Reference list			
Gooding, M., (2021). Here's what we know about the	global chip shorta	<i>ige</i> [online]. Available at:	
https://techmonitor.ai/technology/chip-shortage-tsn	nc-samsung-us-uk-	<u>-taiwan-automotive</u> [Viewed	
02.03.2022].			
Shead, S., (2021). The global	XXXXXXXXXX	[online]. Available	at:
https://www.cnbc.com/2021/05/07/chip-shortage-is	-starting-to-have-ı	major-real-world-consequence	es.html
[Viewed 20.03.2022].			
Shein, E., (2021). Global chip shortage: Everything you	u need to know [or	nline] Available at:	
Shelli, E., (2021). Global emp shortage. Everything you	[Viewed 20.03.20]	-	
		-	
The Week, (2021). 'There is no end in sight': everythin			online].
Available at:	[Viev	ved 20.03.2022].	



E (example)

Comprehension Questions

Improvements

More investment is needed

1. Headings: choose a subheading for each paragraph. One title is not needed.

		В	improvements	
3		С	The rationale for the issues of scarcity	
4		D	Focused	
		E	The unpredictability of the microchip indust	rv
	/=	•		
	ue / False / Not Given	: One que	stion per paragraph.	T/F/NG
Parag	graph 1			
i .	Semi-conductor mi	crochips h	ave been outselling demand since 2018.	
	graph 2			
i.	The COVID 19 Pand	demic was	of	
	microchips.			
	graph 3			
iii.	Investment is	CXXXXX	XXXXXXXXXXXXXXXXX	
Parag	graph 4			
iv.	The best solution	CXXXXX	to increase supply.	
				/
i.				
L				/
aragr	aph 2. Name TWO co	nsequence	es ?	
i.			ii.	
				/
aragr	aph 2. Who are the T	WO top	?	
	<u> </u>		· ·	
ii.				
				/
aragr	aph 2. What	did	Taiwan experience	?
i.				
				/
aragr	aph 3. How are Europ	e and Ame	erica addressing m	anufacturers?
Europ	pe	· <u> </u>		
A 100 = 1	*i			
Amer	ica			



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Paragraph 3. I	How can microchip sup	ply chains be improved	1 ?	
i.				
ii.				
iii.				
iv.				
Daragraph 4 \	Mhat are the		business?	/4
Paragraph 4. \	what are the		busiless!	
ii.				
Davaguah 4)	A/hat ava tha		for consumous?	/2
Paragraph 4. \	what are the		for consumers?	
				/ 1
4.6				
•	[out of these EIGHT solut		the FOUR correct ones]	
i. The semico	onductor microchip in	dustry needs to		
	manufacturing process			
b) be	fabrication facilities in I	manufactures.		
d) build micro		mont	ths.	
e) be more tra				
f) be	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	recover.		
	happen again.	supply shain		
h) make	AAAAAAAAAAA	supply chain.		/ 6
				/
			onnect to: (<u>underlined</u> in the tex	t).
Paragraph	Word(s)	Connection		
1	it	Growing scarcity		
2	these restrictions			
2	their			
2				
3	the sector			
3				
4	This			
				/ 6

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5. Vocabulary: Search for the word in the paragraph that means:

Paragraph	Explanation	Word
1	Two or more things combined in order to become more effective.	Integrated (example)
1	To something else.	
1	A situation in which something is not easy to find or get.	
2	Never stopping, unpleasant way.	
2	Closes / or stops working for a period of time.	
2	The state in something or someone.	
2	The process or offer new services, or an instance of this.	
3	To make a serious or formal promise to give or do something.	
3	Involving a parts.	
4	Possible when exist.	
4	A situation in and are unable to continue normally without them.	

-	4	^
/	1	O

Overall	Total:	/ 42



Comprehension Questions ANSWERS

1. Headings: choose a subheading for each paragraph. One title is not needed.

1	E (example)	Α	More investment is needed (not needed)
2	С	В	Improvements in supply and demand
3	D	С	The rationale for the issues of scarcity

ALL ANSWERS INCLUDED IN PAID VERSION...

