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## Level 2 - 21st February, 2020

# Criminals have smaller brain size, says study

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https://breakingnewsenglish.com/2002/200221-brain-size-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 https://breakingnewsenglish.com/2002/200221-brain-size-2.html

A study published in the journal "Lancet Psychiatry" found that antisocial people could have smaller areas of the brain. It said criminals' brains had a different structure to the brains of people who followed the law. Researchers looked at records of 672 people between the ages of seven and 26. At the age of 45, the researchers scanned the people's brains. Eighty of them had a history of antisocial behaviour from their early teens. The areas of their brain that were linked to emotions, motivation and behaviour control were smaller in the long-term criminals.

A co-author of the research said it could help doctors understand long-term antisocial behaviour. She said antisocial people may behave badly because of their brain structure. She said: "They are operating under some disability at the level of the brain." She added that we needed to care for these people in a kinder way. The lead author said: "Differences in brain structure might make it difficult for people to develop social skills. This may prevent them from engaging in antisocial behaviour. These people could benefit from more support throughout their lives."

Sources: https://www. theguardian.com/science/2020/feb/17/long-term-offenders-have-different-brain-fermion of the state of the sta

structure-study-says

https://medicalxpress.com/news/2020-02-life-course-persistent-antisocial-behaviour-differences-

brain.html

https://www.thelancet.com/journals/lanpsy/article/PIIS2215-0366(20)30002-X/fulltext

## PHRASE MATCHING

From https://breakingnewsenglish.com/2002/200221-brain-size-2.html

#### **PARAGRAPH ONE:**

- 1. A study published in the
- 2. people who followed
- 3. At the age
- 4. the researchers scanned the
- 5. a history of antisocial
- 6. from their early
- 7. areas of their brain that were
- 8. long-

- a. linked to emotions
- b. people's brains
- c. journal
- d. of 45
- e. term criminals
- f. the law
- a. teens
- h. behaviour

#### **PARAGRAPH TWO:**

- 1. it could help doctors
- 2. antisocial people may behave
- 3. They are operating under some
- 4. might make it difficult
- 5. develop social
- 6. engaging in
- 7. These people could benefit from
- 8. throughout their

- a. more support
- b. disability
- c. skills
- d. lives
- e. understand
- f. for people
- g. badly
- h. antisocial behaviour

# **LISTEN AND FILL IN THE GAPS**

From <a href="https://breakingnewsenglish.com/2002/200221-brain-size-2.html">https://breakingnewsenglish.com/2002/200221-brain-size-2.html</a>

A study published (1)	"Lancet Psychiatry"
found that antisocial people could have (2) _	
the brain. It said criminals' brains had a dif	ferent structure to the
brains of people who (3)	Researchers looked
at records of 672 people between the ages of	f seven and 26. At the
age of 45, the researchers (4)	brains. Eighty
of them had (5) ant	isocial behaviour from
their early teens. The areas of their brain	n that were linked to
emotions, motivation and behaviour (6)	in
the long-term criminals.	
A co-author of the research said it (7) _	
understand long-term antisocial behaviour	. She said antisocial
people (8) because o	f their brain structure.
She said: "They are operating und	der some disability
(9) of the brain." She	added that we needed
to care for these people in (10)	The lead
author said: "Differences in brain structure	might make it difficult
for people to (11) T	his may prevent them
from engaging in antisocial behaviour. Thes	e people could benefit
from more (12) lives."	

## PUT A SLASH ( / )WHERE THE SPACES ARE

From https://breakingnewsenglish.com/2002/200221-brain-size-2.html

Astudypublishedinthejournal"LancetPsychiatry"foundthatantisocial peoplecouldhavesmallerareasofthebrain. It said criminals' brainshad adifferentstructuretothebrainsofpeoplewhofollowedthelaw.Researc herslookedatrecordsof672peoplebetweentheagesofsevenand26.At theageof45, theresearchers scanned the people's brains. Eighty of the mhadahistoryofantisocialbehaviourfromtheirearlyteens. Theareas of theirbrainthatwerelinkedtoemotions, motivation and behaviour contr olweresmallerinthelong-termcriminals. Aco-authoroftheresearchsai ditcouldhelpdoctorsunderstandlong-termantisocialbehaviour. Shes aidantisocialpeoplemaybehavebadlybecauseoftheirbrainstructure. Shesaid: "Theyareoperatingundersomedisabilityatthelevelofthebrai n."Sheaddedthatweneededtocareforthesepeopleinakinderway.Thel eadauthorsaid: "Differencesinbrainstructuremightmakeitdifficultfor peopletodevelopsocialskills. This may prevent them from engaging in a ntisocialbehaviour. These people could be ne fit from more support throu ghouttheirlives."

## **BRAIN SIZE SURVEY**

From https://breakingnewsenglish.com/2002/200221-brain-size-4.html

Write five GOOD questions about brain size 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).

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# **WRITING**

From <a href="https://breakingnewsenglish.com/2002/200221-brain-size-2.html">https://breakingnewsenglish.com/2002/200221-brain-size-2.html</a>

Write about <b>brain siz</b>	<b>e</b> for 10 minutes	. Read and talk abou	t your partner's paper.