

Volume 28, Number 4, April 2023

Revision

Head injuries quiz

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This quiz relates to the **PSYCHOLOGY REVIEW** Vol. 28, No. 4 article on head injuries. If you keep both the article and your answers to the questions, you will have a useful revision guide for relevant exam questions.

Part 1

True or false

- | | |
|---|--------------------|
| Most adult offenders have had a traumatic brain injury. | True [] False [] |
| Fred West suffered two traumatic brain injuries before offending. | True [] False [] |
| The prefrontal cortex appears to be important in understanding offending. | True [] False [] |
| A traumatic brain injury in childhood increases the chances of later offending. | True [] False [] |

Part 2

Multiple choice

Which three of these are parts of the prefrontal cortex?

- a) Dorsolateral
- b) Ventrolateral
- c) Orbital
- d) Faithless

What does the Wisconsin Card Sorting task measure?

- a) Abstraction and set shifting
- b) Attention and task switching
- c) Planning
- d) Neuroimaging

What is the ecological validity problem with tests of brain function?

- a) Findings are not consistent over time
- b) Findings do not generalise well to real-life settings
- c) The tests do not find functional damage

- d) Multiple confounding variables affect results of tests

The JEF uses what kind of technology to assess brain function?

- a) Mobile phone
- b) Artificial intelligence
- c) Virtual reality
- d) Augmented reality

Part 3

Know your terms

What does each of the following mean?

- Prefrontal cortex
- Traumatic brain injury
- JEF test
- Executive functioning

Part 4

Applying your understanding

A patient suffered a head injury as the result of an accident at work. They appeared to suffer a personality change after the injury and they have now been accused of a violent crime.

How might you explain and assess the role of traumatic brain injury in their crime?

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