

Name: _____ Date: _____

Unraveling the Neural Circuit: High School Memory Explorers

Encoding, sensory registers, and procedural learning — 10 questions identifying how our brains transform fleeting sensations into permanent knowledge.

1. Which specific stage of memory acts as a high-capacity filter, holding visual data like an 'after-image' for less than a second?

- A. Echoic memory
- B. Iconic memory
- C. Procedural memory
- D. Semantic memory

2. True or False: Procedural memory, such as knowing how to ride a bicycle or tie your shoes, is considered a type of implicit memory.

- A. True
- B. False

3. When you group a long string of numbers into smaller, manageable units (like a social security number), you are using a technique called _____.

- A. Rehearsal
- B. Priming
- C. Chunking
- D. Encoding

4. Which of the following is an example of 'Semantic Memory' rather than Episodic Memory?

- A. Remembering your 10th birthday party
- B. Recalling what you ate for breakfast today
- C. Knowing that Paris is the capital of France
- D. Recounting your first day of high school

5. True or False: Maintenance rehearsal is the most effective way to move information into long-term memory for deep understanding.

- A. True
- B. False

6. The process of getting information OUT of memory storage so it can be used is known as _____.

- A. Retrieval
- B. Encoding
- C. Consolidation
- D. Storage

Name: _____

Date: _____

7. In the 'Atkinson-Shiffrin' model, what is the approximate duration that information stays in short-term/working memory without rehearsal?

- A. 1 to 2 seconds
- B. 15 to 30 seconds
- C. 10 to 15 minutes
- D. Permanently

8. A student who studies in the same room where they will take the exam is hoping to benefit from _____-dependent memory.

- A. State
- B. Acoustic
- C. Context
- D. Semantic

9. Which cognitive hurdle involves only looking for information that supports our existing beliefs while ignoring contradictory evidence?

- A. Fixation
- B. Confirmation bias
- C. Availability heuristic
- D. Mental set

10. True or False: According to the serial position effect, you are most likely to forget the items in the middle of a long list.

- A. True
- B. False