

9.10/9.100 REVIEW QUESTIONS

Memory - I

1. Is memory monolithic?
2. What brain systems support memory, and what specific functions do they support?
3. Where are memories stored? Is there an engram?
4. What parts of the medial temporal lobe are important for memory?
5. To what extent does recognition memory impairment occur in amnesia, and in particular, does recognition memory impairment ordinarily occur after damage limited to the hippocampal region?
6. What is the specific contribution of perirhinal cortex to visual recognition memory (perceptual, mnemonic, both)?
7. Why does the recognition memory performance of amnesic patients benefit from extended study time?
8. Do nondeclarative memory phenomena, such as priming or category learning, influence recognition memory?
9. Does the hippocampus play a time-limited role in the storage of information?
 - Is retrograde amnesia extensive and ungraded, affecting recent and very remote memories alike, or is it temporally graded, sparing remote memory?
 - Does retrograde amnesia affect fact (semantic) and autobiographical (episodic) memory similarly, or does retrograde amnesia affect autobiographical memory across a patient's entire lifetime, and fact memory to a much lesser degree?
10. How do the effects of bilateral medial temporal lobe lesions and unilateral temporal lobectomy differ?