

9.10/9.100 REVIEW QUESTIONS

Vision: Attention, Imagery and Neglect

1. What is hemianopia? How is it different from unilateral neglect?
2. What is extinction? To what extent are extinguished stimuli processed? What (if anything) does this reveal about normal vision?
3. What are the three anatomical networks for attention?
4. What are the three components of the visual orienting network? What aspect of visual orienting is each thought to subserve?
5. When we imagine a visual image, what parts of the brain become active? How is mental imagery affected by damage to the parietal lobe? What simple manipulation can help reverse this effect?
6. Describe an experiment that demonstrates hemispheric lateralization of a visual function. What advantage might there be in having this function lateralized in visual cortex?