**Multiple Choice**

1. The early studies by Pierre Flourens demonstrated that the cerebellum is important for:
   1. Visual perception
   2. Motor coordination [True]
   3. Speech production
   4. Movement
2. True or false: Topographic organization is evidence in favor of equipotentiality.
   1. True
   2. False [True]

**Short Answer / Fill-in-the-blank**

1. With regards to neuroanatomy, \_\_\_\_\_ refers to the front of the brain, and \_\_\_\_\_ to the middle portions.
   1. Frontal, medial
2. Paul Broca discovered that damage to what part of the brain impairs speech?
   1. Left inferior frontal
3. Lesions to the posterior portions of the occipital lobes in human and nonhuman primates would impair which sensory function?
   1. Vision
4. Early studies of what three functions were critical to supporting a localization-of-function theory of brain function?
   1. Locomotor coordination (Fritsch and Hitzig), vision (Munk and Ferrier), speech (Broca)

**Essay / Longer Answer**

1. What is the difference between cognitive psychology and neuropsychology?
   1. See *Key Themes*; *Localization of function vs. mass action*; *Methodology Box 1.1*
2. What is phrenology? Who was responsible for it?
   1. See *A Brief (and Selective) History*
3. Contrast localization-of-function with mass-action theories of brain function.
   1. See *Localization of function vs. mass action*
4. What early evidence was there in favor of equipotentiality? What evidence was there against it?
   1. See *Localization of function vs. mass action*
5. What does the term *Jacksonian* *march* refer to, and what property of the nervous system was inferred from it?
   1. See *The localization of motor functions*
6. What is construct validity?
   1. See *Thought Box 1.1*
7. What does it mean for a property of cognition to be ”emergent”?
   1. See *Thought Box 1.2*