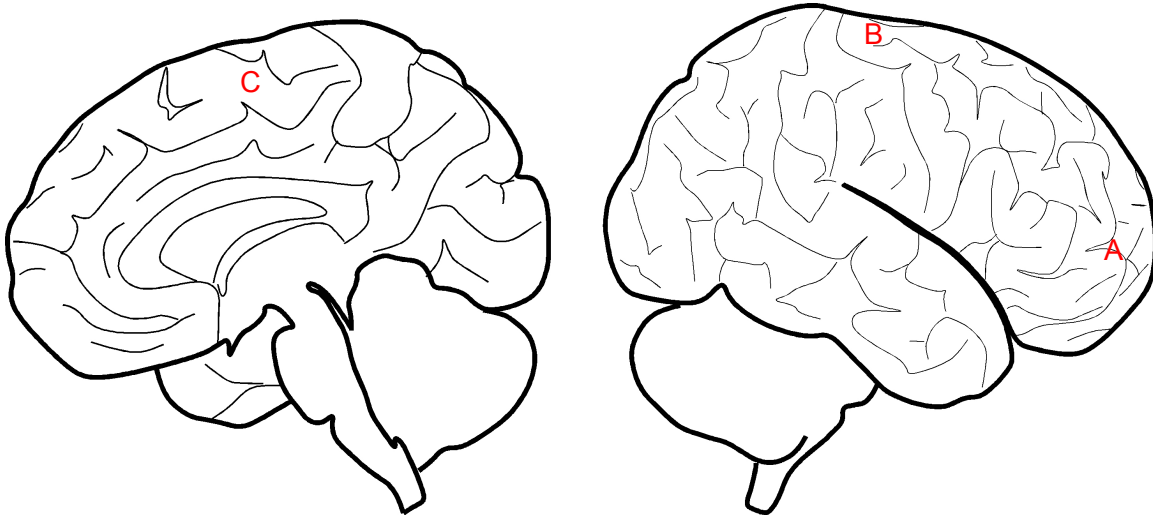


**Brain vocabulary test**  
**All questions worth 1 point each**

Name: \_\_\_\_\_ **KEY**



**Questions 1-4 refer to the brain above. There may be more than one correct answer per question – circle all!**

1. Letter A marks **ANTERIOR** – VENTRAL – **ROSTRAL** – POSTERIOR.
2. Letter B marks **DORSAL** – ROSTRAL – **SUPERIOR** – INFERIOR.
3. Letter C is on the LATERAL – **MEDIAL** surface.
4. This brain is cut in the CORONAL – **SAGITTAL** – HORIZONTAL direction (hint: perpendicular to the shoulders).
5. A sensory pathway going from the body to the brain is: **AFFERENT**      EFFERENT
6. A bundle of axons traveling together in the *brain* is called: tract or white matter
7. A bundle of axons traveling together in the *body* is called: nerve
8. These cells form the support system for neurons: glia
9. One job of the cells in #8 is to produce this fatty covering for axons: myelin
10. Any sensor that detects electrical signals is called: electrode
11. Name one specific function (e.g., a specific sensory system, a specific motor function) that we commonly work with in neural engineering:

Acceptable answers include: somatosensation, proprioception, hearing, vision, voluntary muscle control, balance, walking, dexterity, visceral muscle control, and more

12. What is the difference between a prosthetic and an orthotic: \_\_\_\_\_

Prosthetic replaces missing limb, orthotic augments or stabilizes existing limb

13. A set of electrodes placed on the outside of the skull is called: electroencephalography, EEG

14. What does proprioception sense: location of own body in space

15. The sense that detects rotation and angle is called: vestibular

16. The main neural engineering device used for hearing is called: cochlear implant \*

17. Somatosensory processing is primarily associated with which lobe: parietal

18. The occipital cortex is linked with which sense: vision

19. **For two points:** choose any one word that I have not already asked about, and define it in ten words or less.

Word: See vocabulary review list

Definition: \_\_\_\_\_

\_\_\_\_\_

\* note that hearing aid is not an acceptable answer, as standard hearing aids do not directly interface with the nervous system and only amplify sound