Which of these is **NOT** a source of *mossy fiber* input to the cerebellum?

A) reticular nuclei

B) inferior olivary nucleus

C) Clarke’s nucleus

D) vestibular nuclei

E) pontine nuclei
A person experiences *lateral medullary syndrome (of Wallenberg)*.

The involved region of the brain stem is shown here.

Based on the location and extent of the lesion which of these signs and symptoms is present?

A) vertigo and nausea  
B) miosis of left pupil  
C) ptosis of left eyelid  
D) uvula deviates to right  
E) loss of some taste sensitivity
A tumor near the apex of the lung damages the sympathetic chain ganglia on one side. Which of the following problems in the ipsilateral eye or face follows such damage?

(A) severe ptosis
(B) loss of lacrimation
(C) absence of corneal (blink) reflex
(D) miosis
(E) no direct pupillary light reflex
An aphasia has the following signs: fluent, good comprehension, poor ability to repeat

What part of the cerebral hemisphere has likely been damaged to produce this aphasia?

A) “Broca’s area”
B) “Wernicke’s area”
C) arcuate fasciculus
D) sensory areas in the parietal and occipital cortices
E) almost all cerebral cortex in the left hemisphere