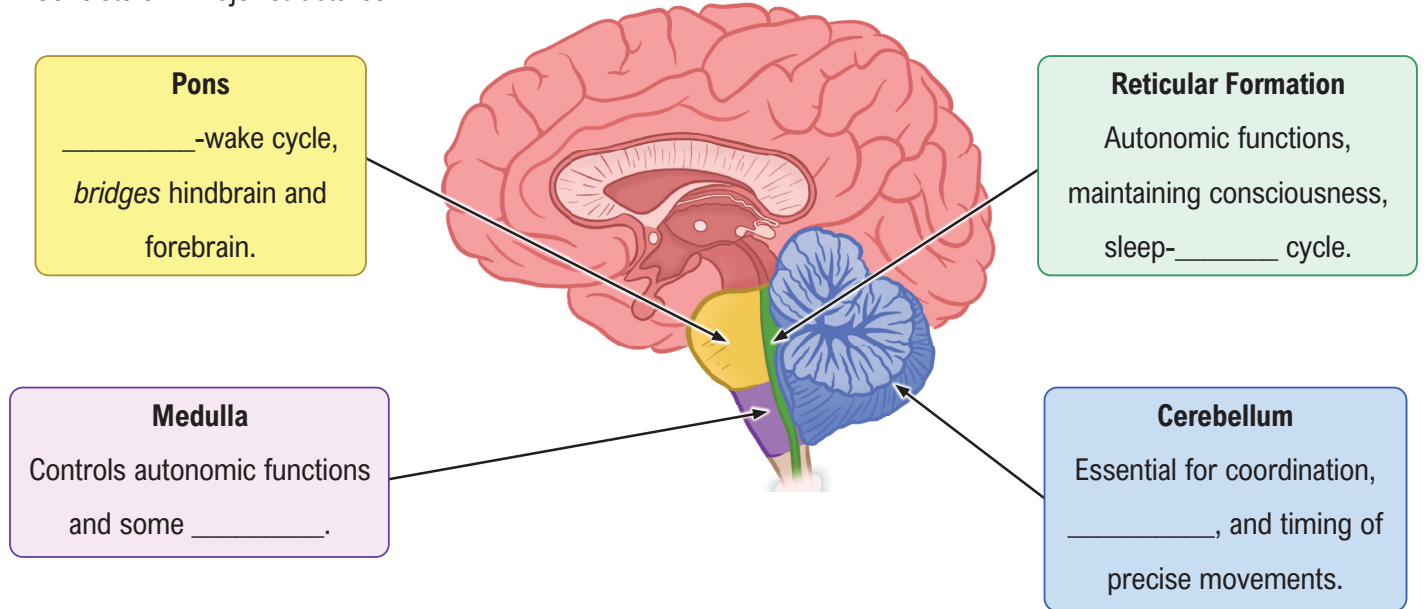


TOPIC: THE HINDBRAIN

◆ **Hindbrain:** Controls the most _____ functions of life (respiration, alertness, motor skills, etc.).

- Collects _____ signals from the body and sends _____ signals from the brain.

◆ Consists of 4 major structures:



EXAMPLE

The four main structures of the hindbrain are listed below. In the blanks, write a few words to summarize the function of that structure.

Pons	
Medulla	
Reticular Formation	
Cerebellum	

Based on these functions, which hindbrain structure do you think might lead to sleep disturbances if it were damaged?

PRACTICE

After a mild car accident, Joel had a hard time walking in a straight line. He also began struggling with tasks like buttoning his shirt, writing, and feeding himself (often bumping his cheek or chin with his spoon). All his extremities were unharmed, and the doctors believed he had a minor brain injury. Based on this description, what structure of the hindbrain may have been damaged?

- a) Pons.
- b) Medulla.
- c) Reticular Formation.
- d) Cerebellum.