TOPIC: THE HINDBRAIN

◆ Hindbrain: Controls the n	nost functions of life (respiration, ale	rtness, motor s	skills, etc.).
Collects	signals from the body and sends	signals from th	ne brain.
◆ Consists of 4 major struct	tures:		
Ponswake cycle bridges hindbrain and forebrain.			Reticular Formation Autonomic functions, maintaining consciousness, sleep cycle.
Medulla Controls autonomic functions and some			Cerebellum Essential for coordination,, and timing of precise movements.

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.

c) Reticular Formation.

b) Medulla.

d) Cerebellum.