

Chamberlain University College of Nursing

BIOS 252: Anatomy and Physiology II

Professor Horn

Week 4: Nervous System Lab Report

1. Identify a function of the following areas of the brain and brainstem: (5 points; ½ point each)

Area	Function
Frontal lobe	It is responsible for higher cognitive functions such as reasoning, planning, problem-solving, emotions, and voluntary movement.
Temporal lobe	It is responsible for processing auditory information, memory, and language understanding.
Occipital lobe	It is the primary center for visual processing, which interprets visual input from the eyes.
Parietal lobe	It processes sensory information such as touch, temperature, and pain and plays a role in spatial orientation and perception.
Cerebellum	It coordinates voluntary movements, balance, and posture, which is essential for motor control and developing motor abilities.
Medulla	It regulates autonomic functions such as breathing, heart rate, and blood pressure and contains centers for vital reflexes like swallowing.