

Structure		Function
Forebrain	Cerebrum	Divided into two hemispheres; manages sensory processing, emotions, language, and movement; the right side is more creative, the left side is logical and problem-solving
	Diencephalon	Intermediary between cerebrum and lower brain structure; manages sensory information to the cerebrum, emotional memories, regulation of appetite and thermoregulation, and emotions
Midbrain	Mesencephalon	Manages vision, hearing, motor control, sleep and wake states, and temperature regulation
Hindbrain	Pons	Manages respiration and skeletal muscle tone
	Medulla	Manages blood pressure, heart rate, respiration, and reflexes
	Cerebellum	Manages muscle coordination, posture, and position

Table 4.1 Structure and Function of the Brain