

Parts of The Brain and Their Functions

Central Core	Medulla	Regulates respiration, heart rate, blood pressure
	Pons	Regulates sleep-wake cycles
	Cerebellum	Regulates reflexes and balance
		Coordinates movement
	Thalamus	Major sensory relay center
		Regulates higher brain centers and peripheral nervous system
Hypothalamus	Emotion and motivation	
	Stress reactions	
Limbic System	Hippocampus	Formation of new memories
	Amygdala	Governs emotions related to self-preservation
Cerebral Cortex	Occipital lobe	Receives and processes visual information
	Temporal lobe	Smell
		Hearing
		Balance and equilibrium
		Emotion and motivation
		Some language comprehension
	Parietal lobe	Complex visual processing
		Sensory projection and association areas
		Visual/spatial abilities
	Frontal lobe	Goal-directed behavior
Concentration		
Emotional control and temperament		
Motor projection and association areas		
Coordinates messages from other lobes		
Complex problem solving		
Involvement in many aspects of personality		