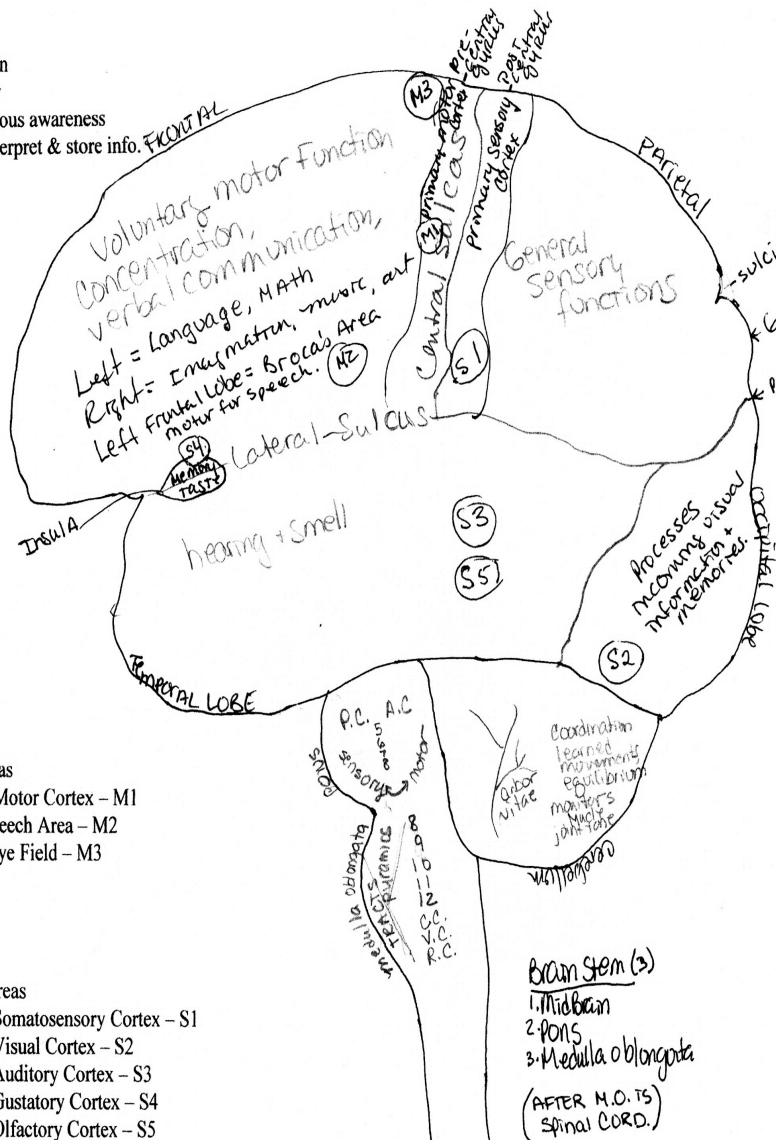


Cerebrum Function  
 Motor- voluntary  
 Sensory - conscious awareness  
 Association - interpret & store info.



Motor Areas  
 Primary Motor Cortex - M1  
 Motor Speech Area - M2  
 Frontal Eye Field - M3

Sensory Areas  
 Primary Somatosensory Cortex - S1  
 Primary Visual Cortex - S2  
 Primary Auditory Cortex - S3  
 Primary Gustatory Cortex - S4  
 Primary Olfactory Cortex - S5

Diencephalon  
 • Epithalamus - pineal gland - melatonin  
 • Thalamus - relay station for sensory info  
 • Hypothalamus - contr. autonomic nervous system, endocrine system, Temp, emotion, water, Food, sleep, awake

Limbic System  
 affects memory formation, integration of past memories & physical sensation w/ emotional states.  
 1) Cingulate gyrus  
 2) Hippocampus  
 3) Parahippocampus  
 4) Amygdala body  
 5) Olfactory bulb + tract  
 6) Fornix - cortex

Cerebral Nuclei  
 1) Caudate Nucleus  
 2) Claustrum  
 3) Amygdala body  
 4) Lentiform Nucleus - Putamen - Globus pallidus

Function: recv. impulse from C. Cortex + limbic system. Goes to primary M. cortex. Needed for conscious motor activity.

Brain Stem (3)  
 1. Midbrain  
 2. PONS  
 3. Medulla oblongata  
 (AFTER M.O. IS SPINAL CORD.)