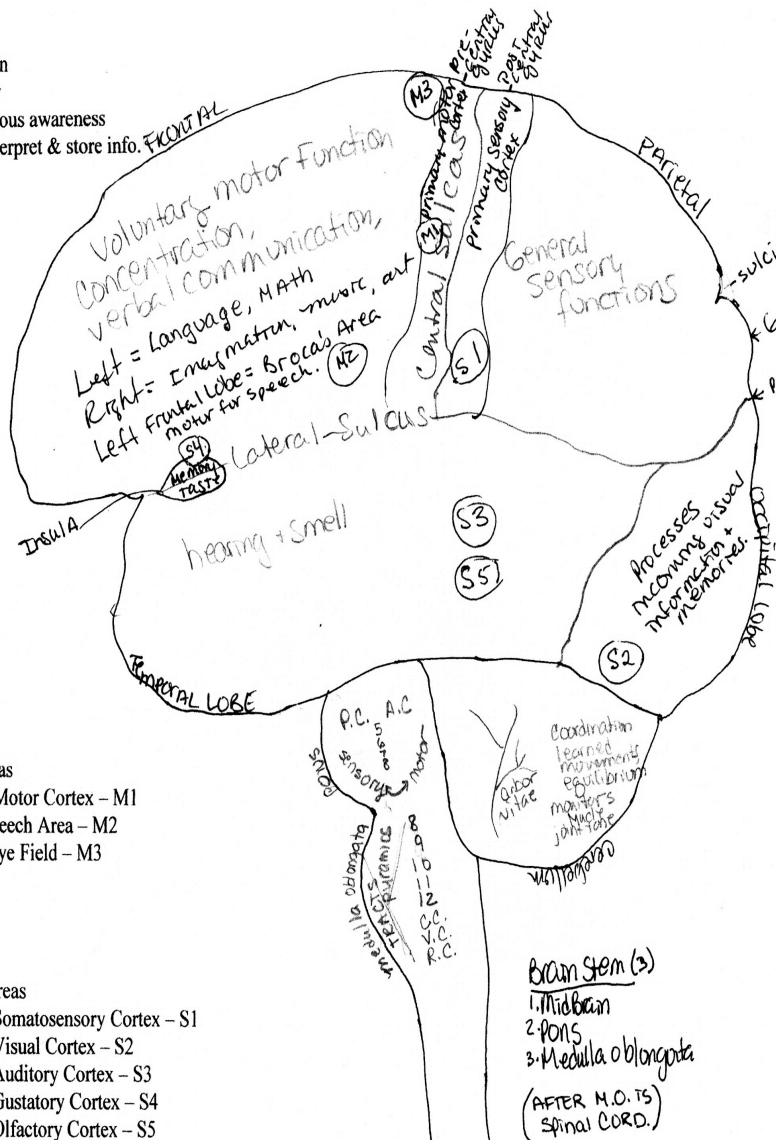


Cerebrum Function
 Motor- voluntary
 Sensory - conscious awareness
 Association - interpret & store info.



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 sys., 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

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

Cerebral Nuclei

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