

CEREBRAL ANATOMY REFERENCE

Nursing Education Series & Neuro-Assessment Tool

Student Name: _____

[*Anatomical Illustration Placement Area*]

Lobe	Primary Functions	Key Structures / Deficits
Frontal	Executive function, motor control, personality, expressive speech (Broca's area).	Precentral gyrus; Deficits: Hemiparesis, personality changes, motor aphasia.
Parietal	Somatosensory processing, spatial orientation, object recognition.	Postcentral gyrus; Deficits: Agnosia, neglect syndromes, tactile sensory loss.
Temporal	Auditory processing, memory, receptive speech (Wernicke's area).	Hippocampus; Deficits: Receptive aphasia, memory impairment, deafness.
Occipital	Visual processing, interpretation, and color perception.	Primary visual cortex; Deficits: Visual field cuts, cortical blindness.
Cerebellum	Coordination, posture, balance, and fine motor movement.	Arbor vitae; Deficits: Ataxia, dysmetria, intention tremors.

Clinical Pearl: Remember "Broca's is Broken" (Expressive/Motor) and "Wernicke's is Wordy" (Receptive/Sensory). For neuro checks, focus on symmetry and baseline deviations.