

BRAIN MODEL STRUCTURES

(BE ABLE TO IDENTIFY THESE ON THE TEST)

SURFACE

- Longitudinal Fissure (*largest of the fissures*)
- Lateral Fissure (*runs along the side of brain*)
- Central Fissure/Sulcus (*between precentral and postcentral gyri*)
- Precentral Gyrus (*primary motor cortex*)
- Postcentral Gyrus (*primary somatosensory cortex*)

LOBES (4)

- Frontal Lobe (*top/front part of brain*)
- Parietal Lobe (*top/middle part of brain*)
- Occipital Lobe (*very back of brain*)
- Temporal Lobe (*side of brain*)

UNDERSIDE – VENTRAL SURFACE

- Olfactory Bulbs (*olfactory tubercles*)
- Optic Chiasm (*crisscross-shaped*)
- Mamillary Bodies (*green on model*)
- Pons (*have a “bulge” appearance/found above medulla*)
- Medulla (*just above top of spinal cord*)
- Spinal Cord
- Cerebellum (*large structure at base of brain*)

INTERIOR BRAIN STRUCTURES

- Corpus Callosum (*connects the two hemispheres*)
- Cingulate Gyrus (*found on the medial surface of the cerebral cortex*)
- Hippocampus (*has a folding shape like a seahorse*)
- Fornix (*connects hippocampus to mamillary bodies and septum*)

MID-LINE STRUCTURES

- Superior Colliculi (*superior part of tectum of midbrain*)
- Inferior Colliculi (*inferior part of tectum of midbrain*)
- Basal Ganglia (*caudate, putamen, and globus pallidus*)
- Caudate (*outer red structure on brain model, has a head and a tail*)
- Amygdala (*not on brain model, but found at the end of the tail of the caudate*)
- Putamen (*inferior to caudate*)
- Globus Pallidus (*Medial to putamen*)
- Thalamus (*large, 2-lobed structure at top of brain stem*)
- Massa Intermedia (*goes thru 3rd ventricle and connects two sides of thalamus*)

VENTRICULAR SYSTEM

- Lateral Ventricles (*there are 2 of these*)
- Third Ventricle (*located just below lateral ventricles*)
- Cerebral Aqueduct (*located just below third ventricle*)
- Fourth Ventricle (*at base of ventricular system*)