

Lab 12 – Structures of the Brain to Know

Structure	Brain Model	Sheep's Brain
Dura + Arachnoid maters		✓
Pia mater		✓
Cerebrum (Cerebral hemispheres)	✓	✓
Longitudinal fissure	✓	✓
Frontal lobe	✓	✓
Parietal lobe	✓	✓
Occipital lobe	✓	✓
Temporal lobe	✓	✓
Central sulcus	✓	
Postcentral gyrus	✓	
Precentral gyrus	✓	
Lateral sulcus	✓	
Corpus callosum	✓	✓
Fornix	✓	✓
Cranial Nerves (for others on brain stem, see next page)	✓	
Optic chiasma	✓	✓
Optic nerve	✓	✓
Olfactory nerve	✓	✓
Olfactory bulb	✓	✓
Cerebellum	✓	✓
Arbor vitae	✓	✓
Cerebellar cortex	✓	✓
Ventricles		
Lateral ventricles separated by septum pellucidum	✓	✓
Choroid plexus of third ventricle	✓	
Fourth ventricle	✓	✓
Cerebral aqueduct	✓	✓
Thalamus	✓	✓
Interthalamic adhesion	✓	
Pineal gland	✓	✓
Hypothalamus	✓	✓
Mammillary bodies	✓	✓
Pituitary gland	✓	if present
Midbrain (Mesencephalon)	✓	✓
Corpora quadrigemina	✓	✓
Pons	✓	✓
Medulla oblongata	✓	✓
Spinal cord (not part of brain, of course)		✓

Complete the Chart of Cranial Nerves

Number	Name	Innervation*	Functions
I			
II			
III			
IV			
V			
VI			
VII			
VIII			
IX			
X			
XI			
XII			

** List organs, major muscles, and regions innervated*