**Meninges Dura mater -tough leathery outer covering**

**(membranes) Arachnoid -web like middle layer**

**Pia Mater -*vascular* inner most layer**

**Cerebrum Hemispheres -R&L halves**

**(higher level Long. Fissure -crack separating hemispheres**

**processes) Corpus callosum -nerve tissue connecting hemispheres**

**frontal lobe -thought, memory, decisions**

**parietal lobe -hearing, speech**

**occipital lobe -visual**

**temporal lobe -hearing**

**insula -speech**

**lat. Ventricle -large central cavity containing CSF**

**septum pellucidum – membrane separating R&L lateral ventricles**

**caudate nucleus- learning, various other functions???**

**Cerebellum arbor vitae - “tree of life” white matter sending (motor center) motor signals**

**Diencephalon optic chiasma - crossing of R&L optic nerves**

**(forebrain) Infundibulum -connects pituitary gland to brain**

**Thalamus -“switchboard” or processing center**

**(integrates many processes)**

**Pineal gland -“clock” – sleep patterns (vestigial)**

**Midbrain part of brainstem**  - **mostly motor**

**Pons relay between cerebrum and cerebellum**

**Medulla “primitive” brain – breathing, heartrate – “vital center”**

**Pituitary gland endocrine gland – secretes hormones that control the activity of many other endocrine glands**

**“master gland”**