**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”**