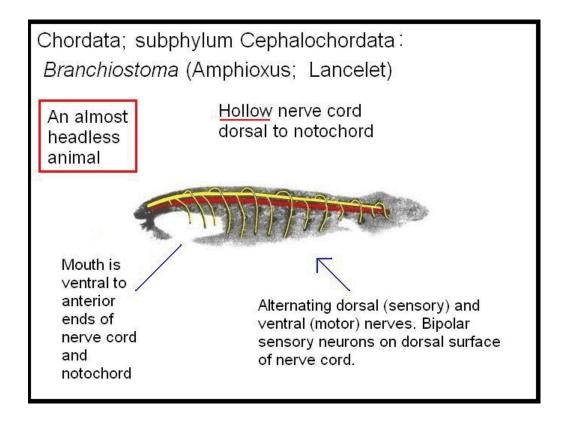
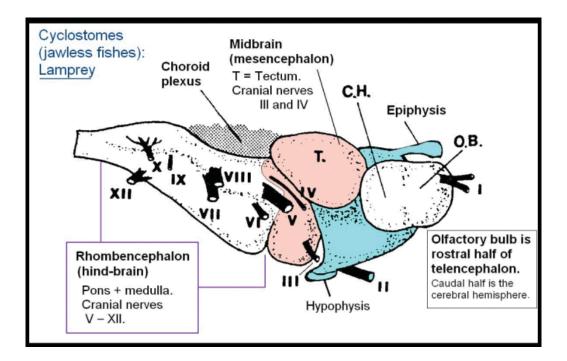
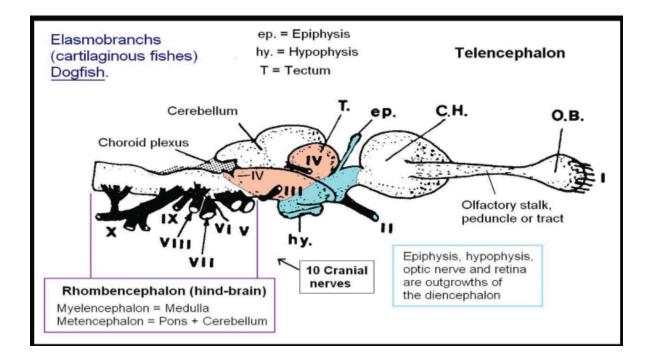
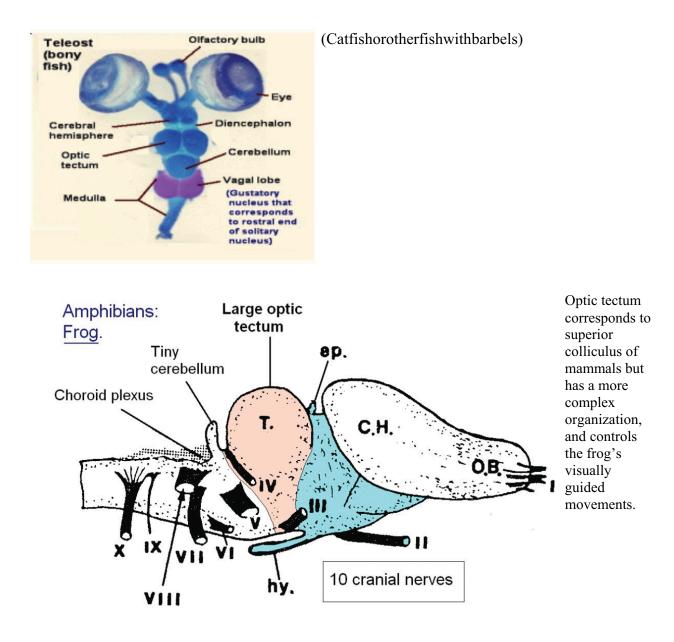
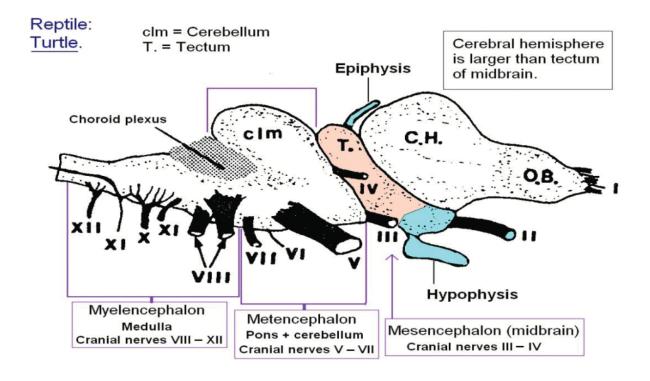
Anatomy 9535b — BRAINS OF VARIOUS VERTEBRATE ANIMALS



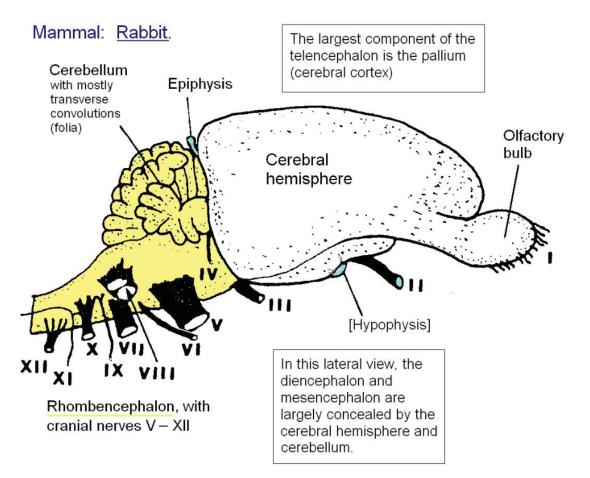






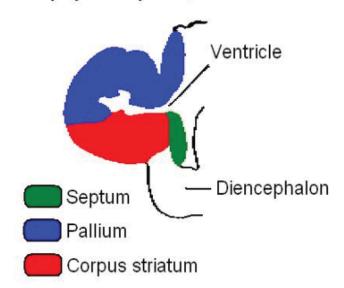


Twelve cranial nerves, as in mammals. Do you know their names and principal functions? Mesencephalon Diencephalon

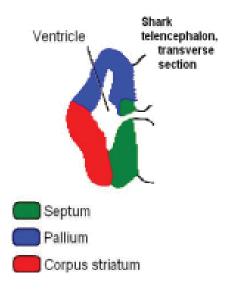


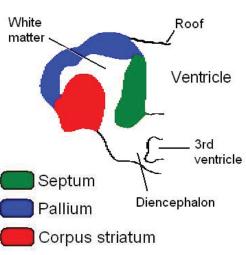
Rodents' brains are similar to those of lagomorphs (rabbits and hares). The superior colliculi of the midbrain receive most of the fibres from the retinas, but there is also a significant optic projection to the thalamus (diencephalon), which communicates with the cerebral cortex.

Evolution of the forebrain (prosencephalon = diencephalon + telencephalon)

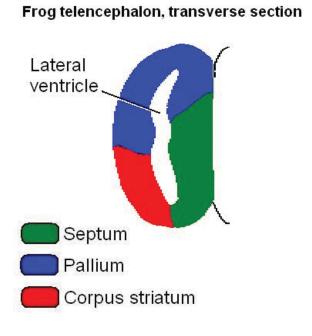




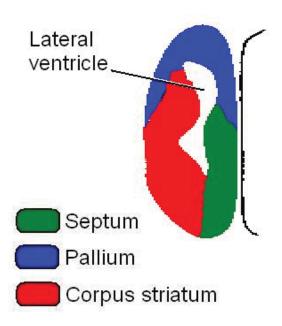


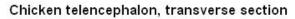


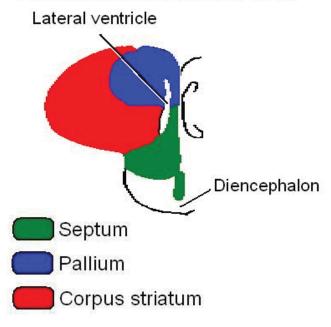
Goldfish telencephalon, transverse section



Turtle telencephalon, transverse section







This is the traditional story. The large avian "hyperstriatum" may be more closely homologous to the cerebral cortex of mammals.

