

روانشناسی پزشکی و نوروپسیکولوژی، جلسه اول:

اشاره ای به روانشناسی پزشکی

کلیاتی پیرامون بنیان جسمانی رفتار

روانشناسی زیست شناختی

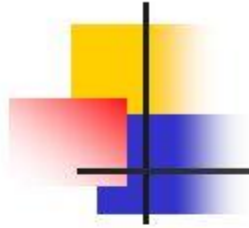
نوروپسیکولوژی

medical psychologists

clinical psychologists who use their knowledge of medical, psychological and social factors to improve patients' physical and mental well-being



Biological Psychology



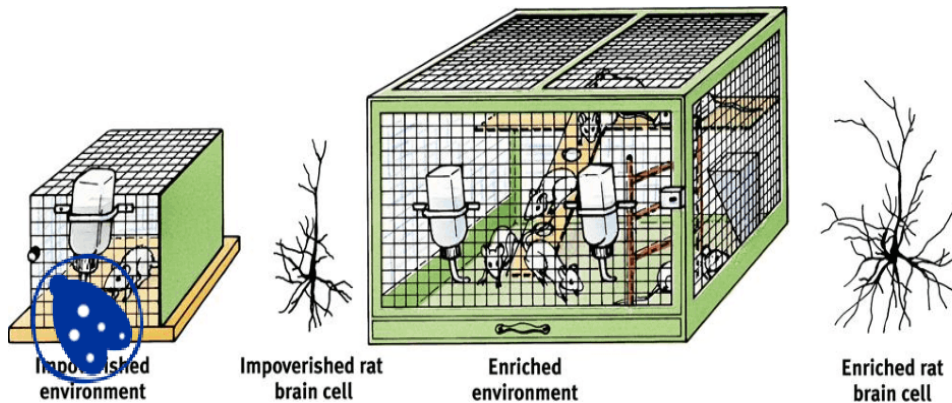
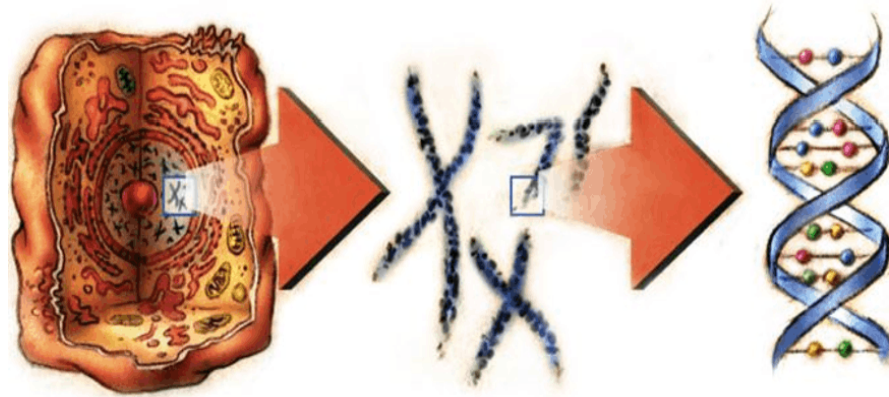
- branch of psychology concerned with the links between biology and behavior
- some biological psychologists call themselves *behavioral neuroscientists, neuropsychologists, behavior geneticists, physiological psychologists, or biopsychologists*

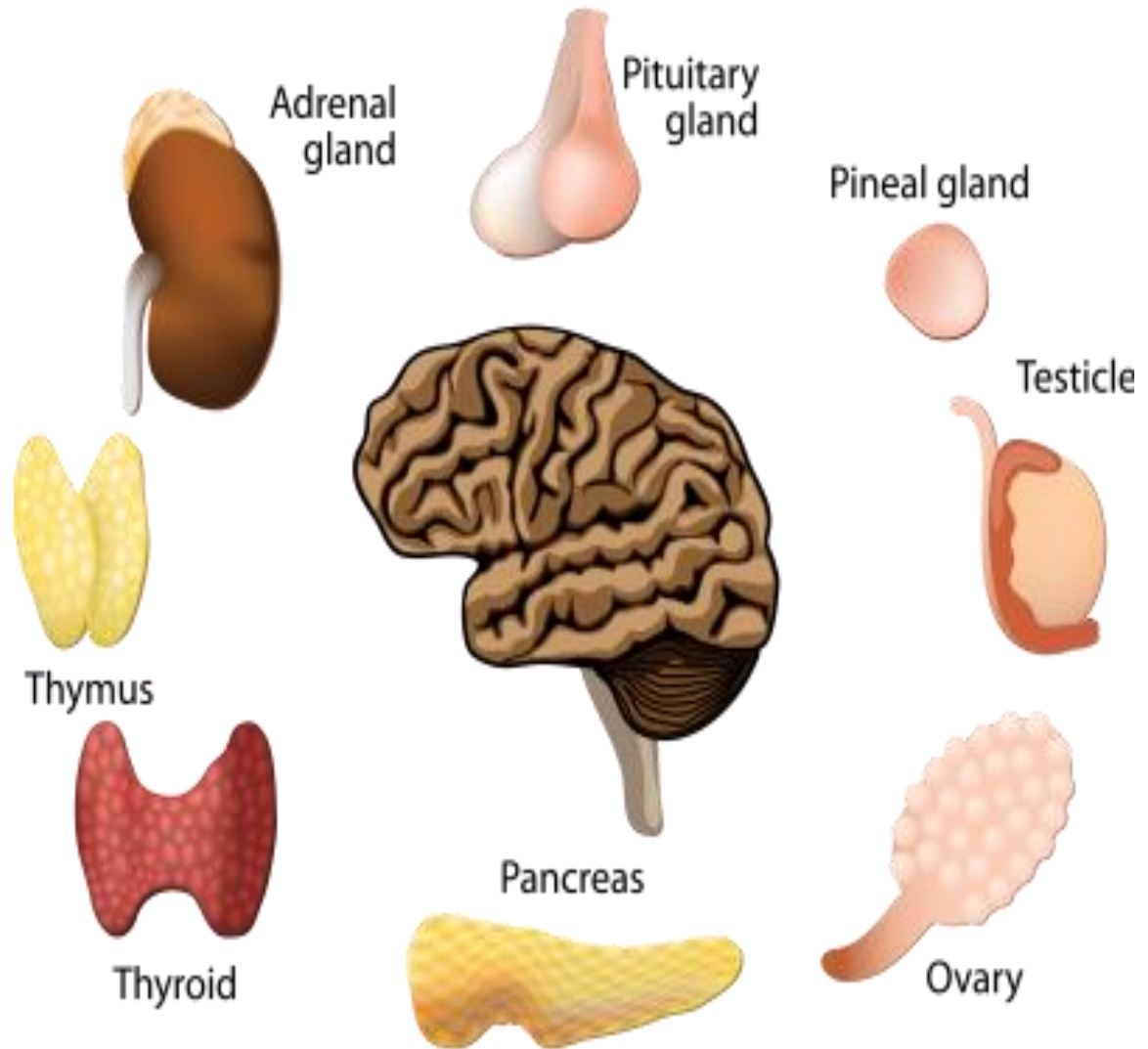
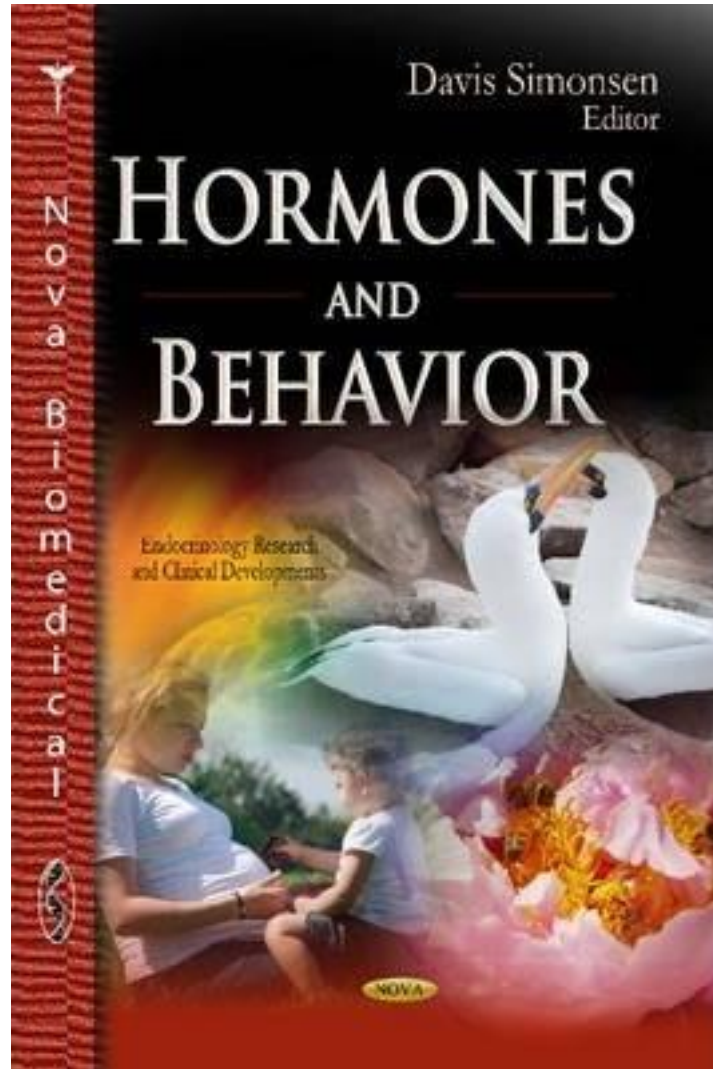


Definition

- The study of the relation between brain function & behavior.
- Deals with the understanding, assessment, & treatment of behaviors directly related to the functioning of the brain

Behavioral Genetics and Evolutionary Psychology Environmental Influences on Behavior





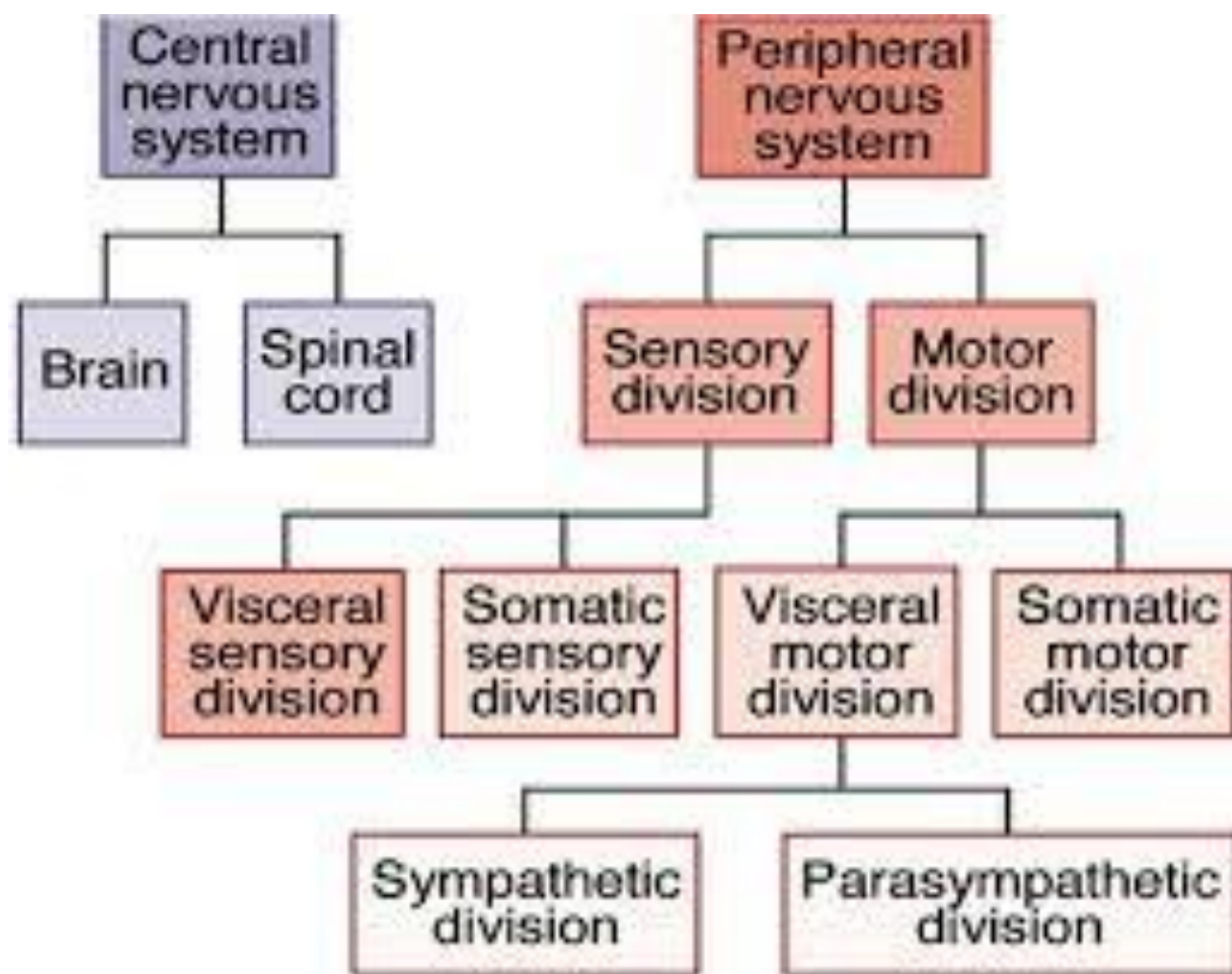
روانشناسی پزشکی و نوروپسیکولوژی، جلسه دوم

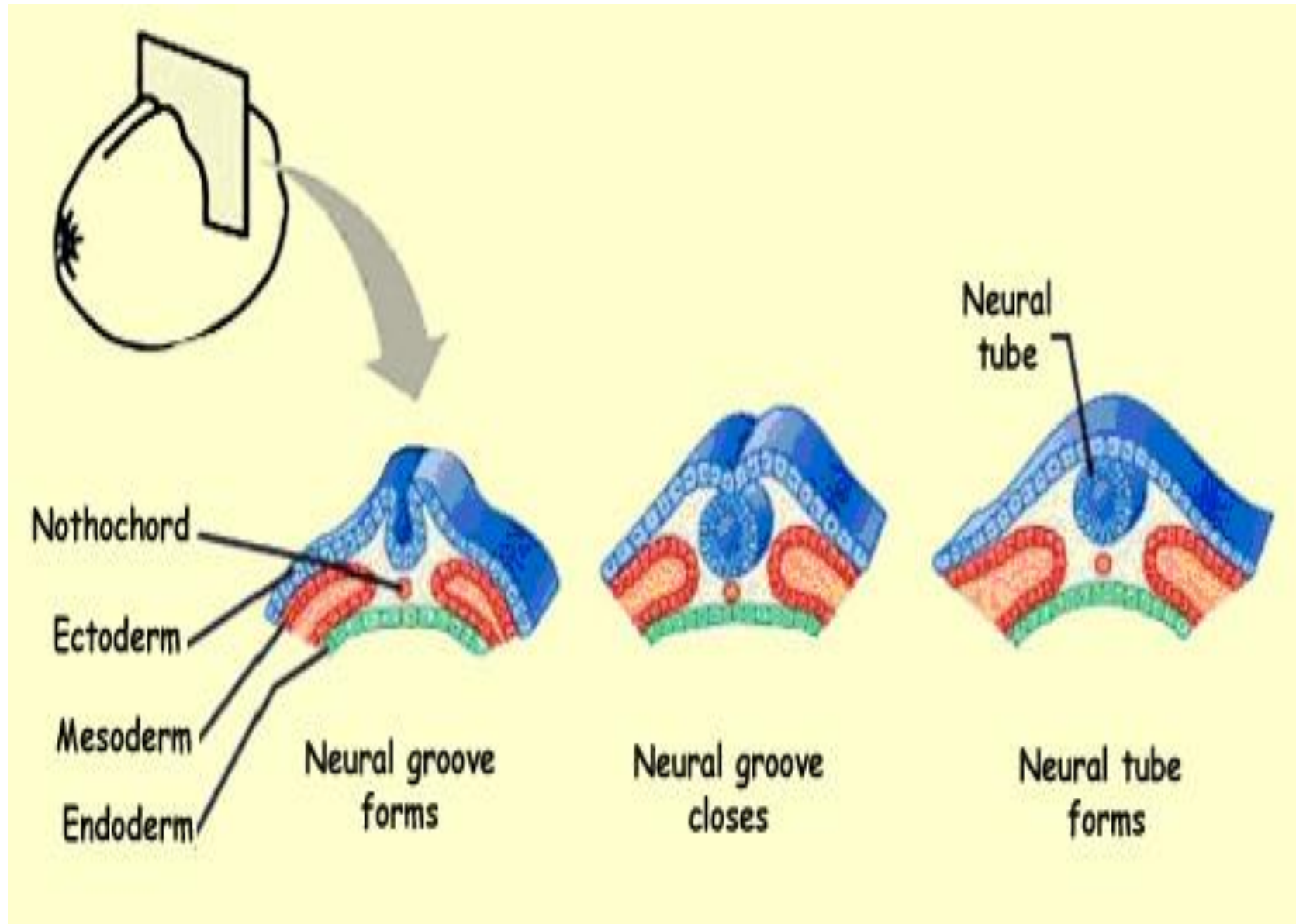
تکوین جنینی دستگاه عصبی مرکزی

نورون

مواد خاکستری و سفید

نوروگلی





Forebrain

Diencephalon

Telencephalon
(cerebral
vesicles)

Optic
stalk

Midbrain

Mesencephalon

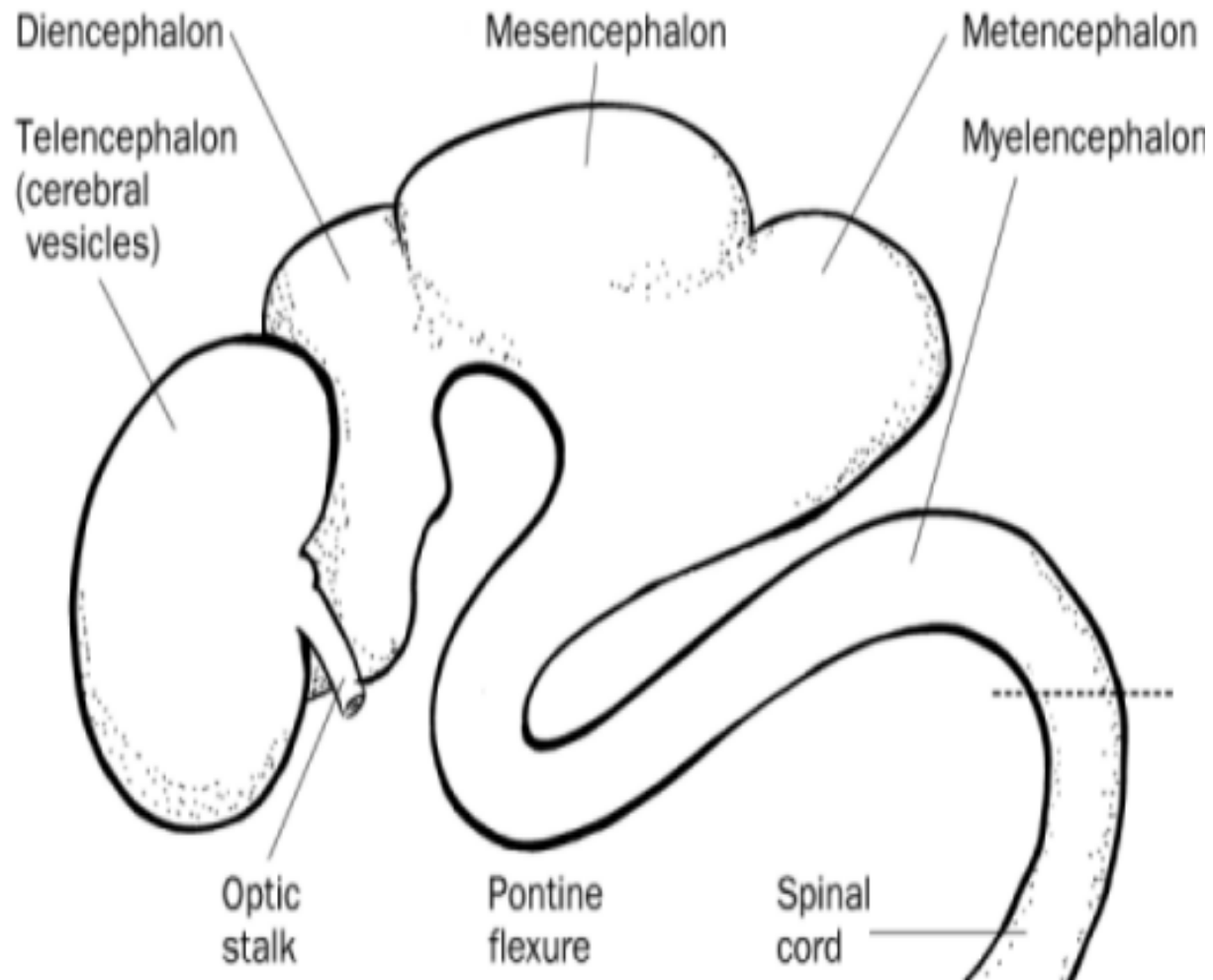
Pontine
flexure

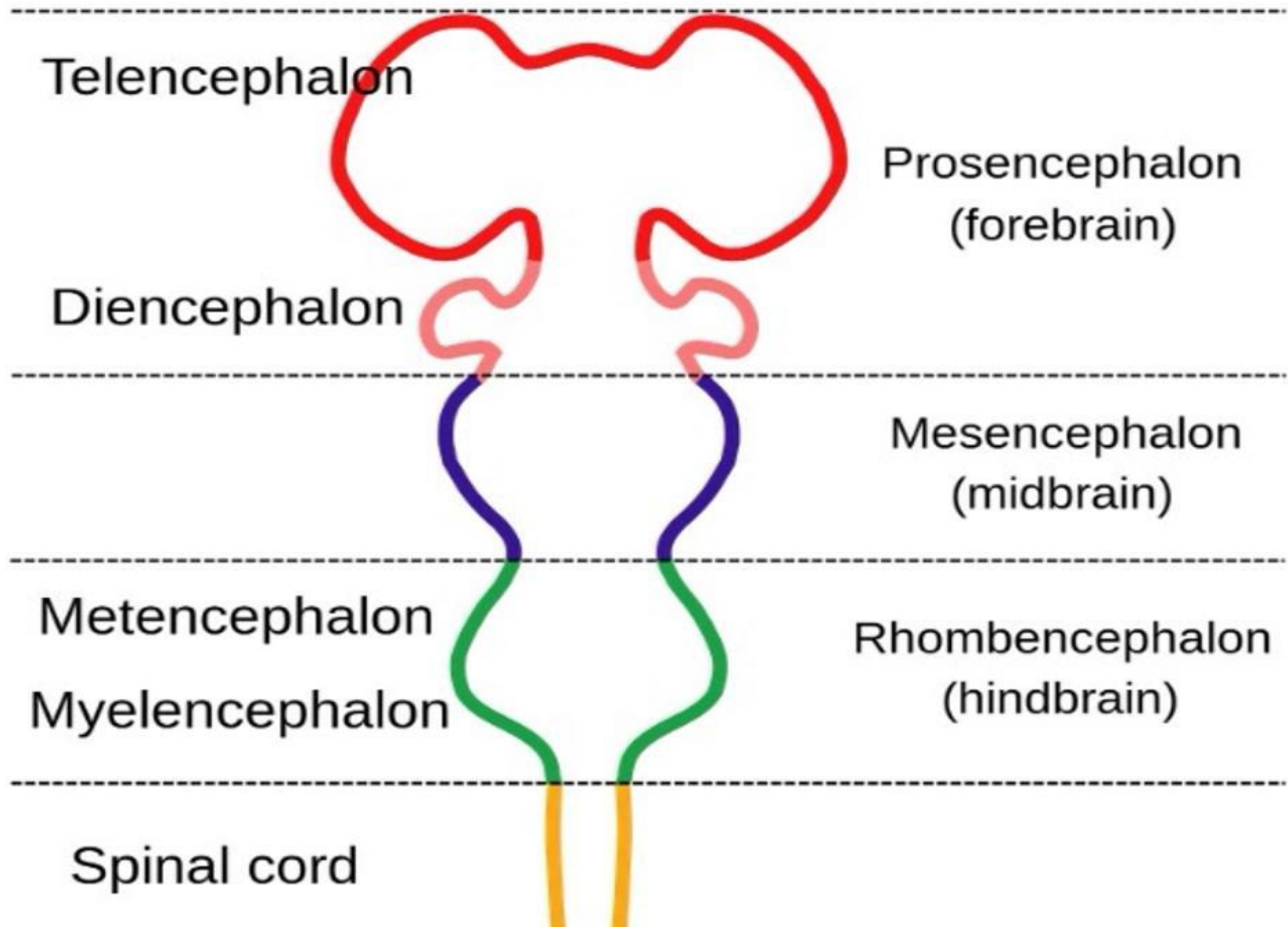
Hindbrain

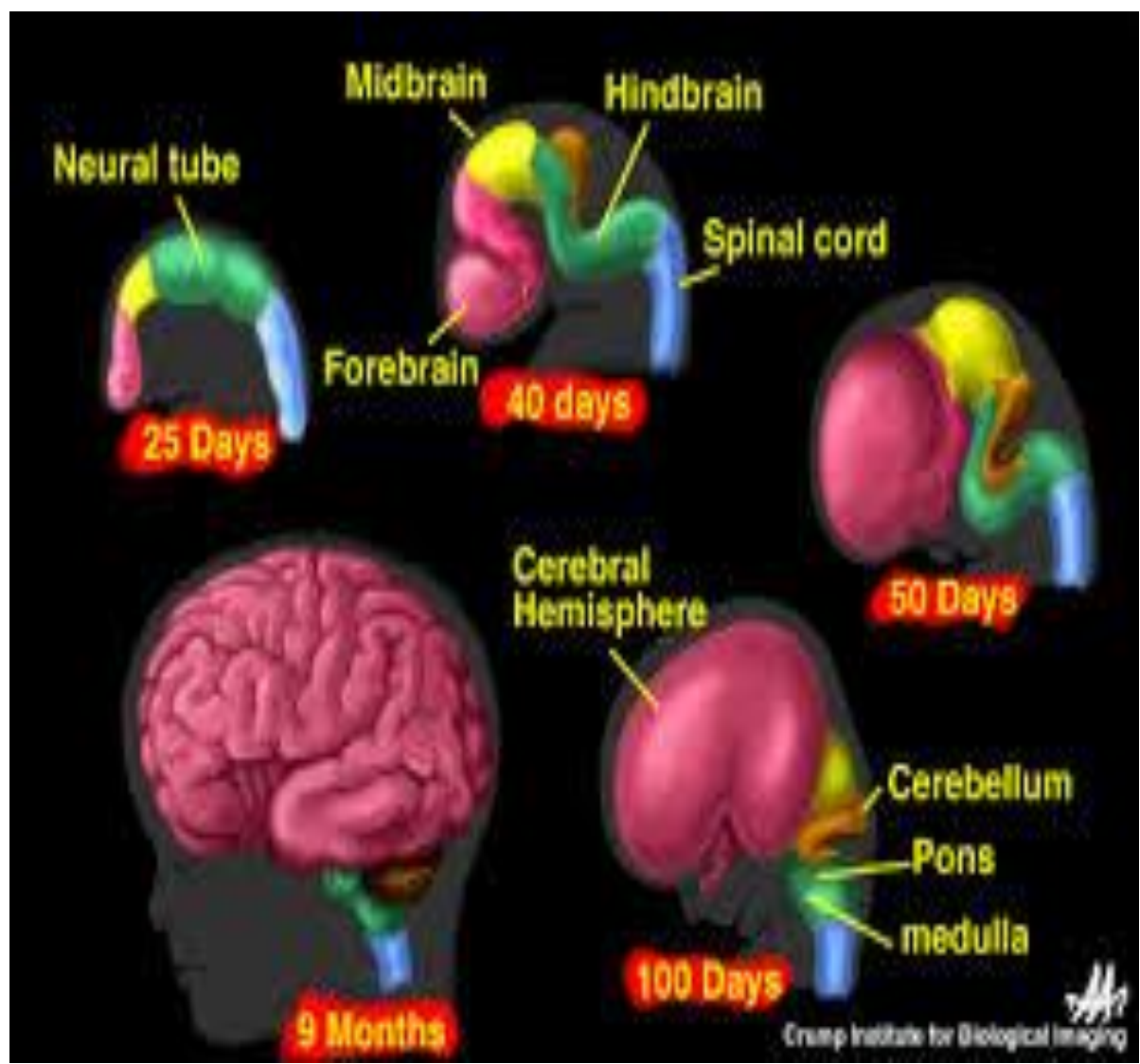
Metencephalon

Myelencephalon

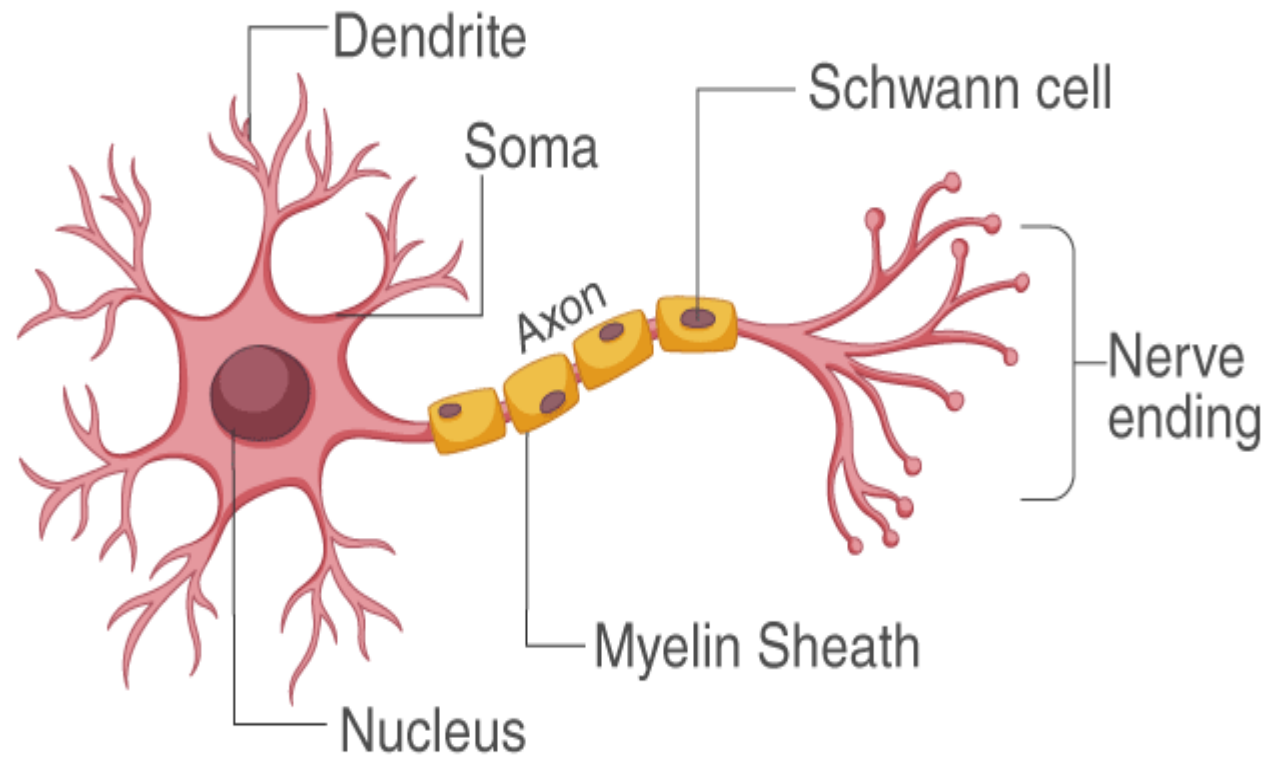
Spinal
cord



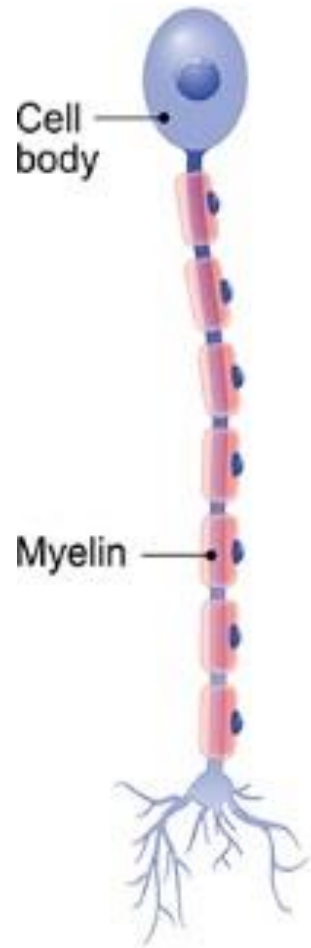




STRUCTURE OF NEURON



Unipolar



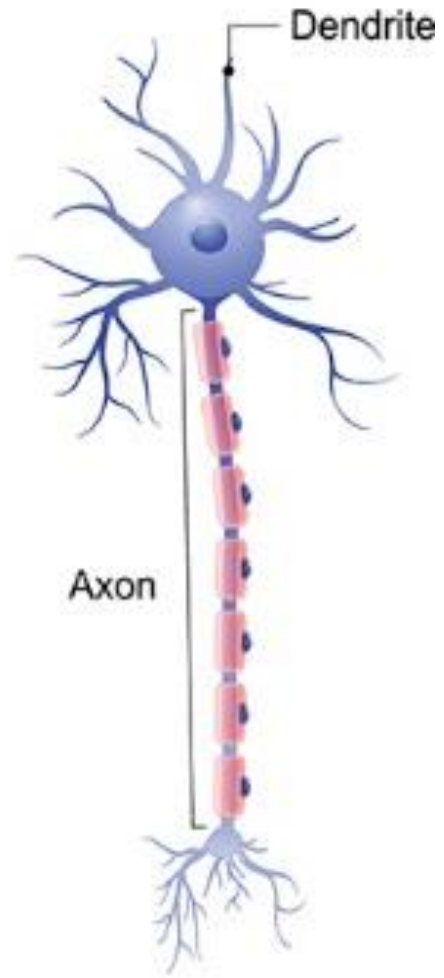
Bipolar

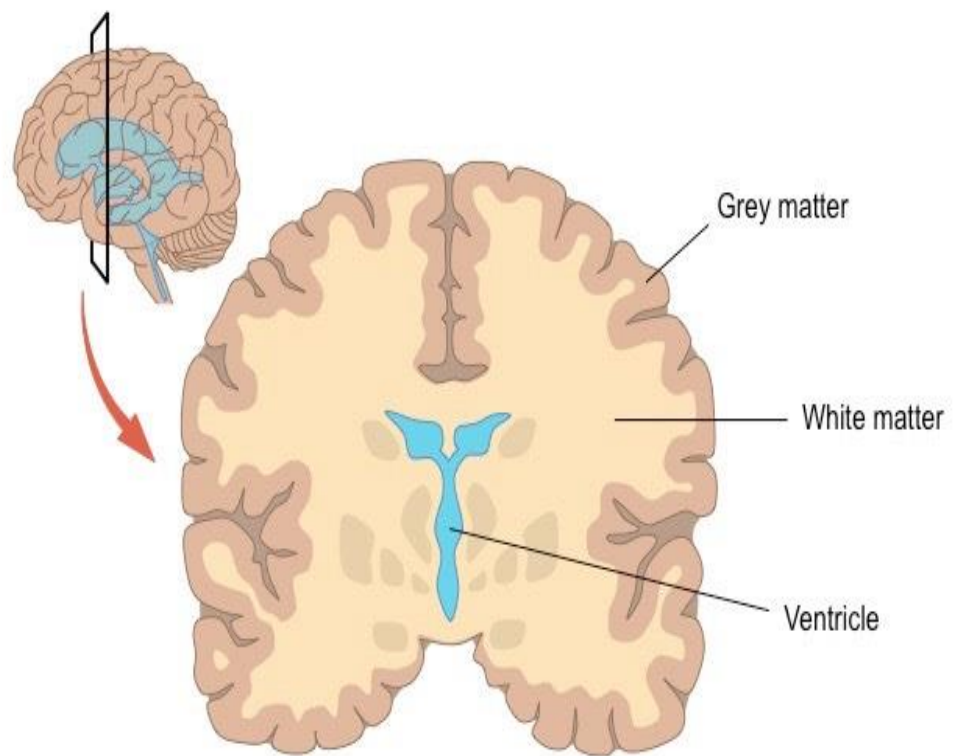
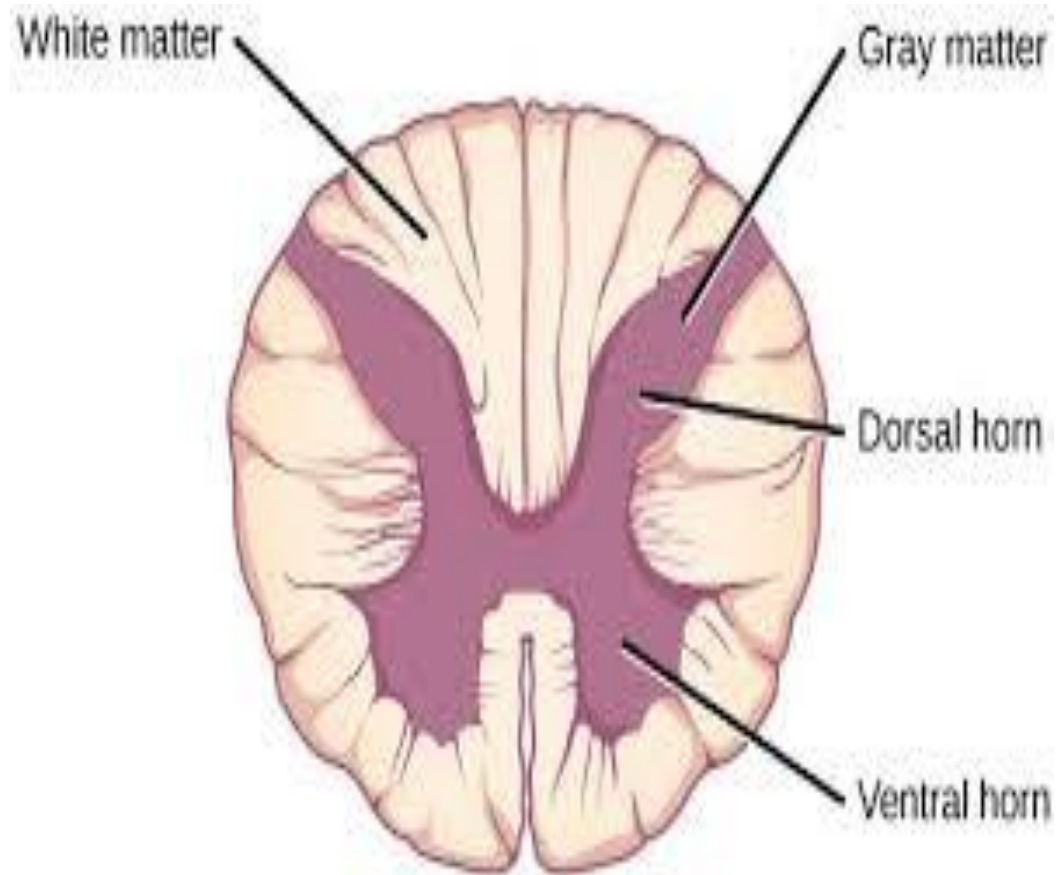


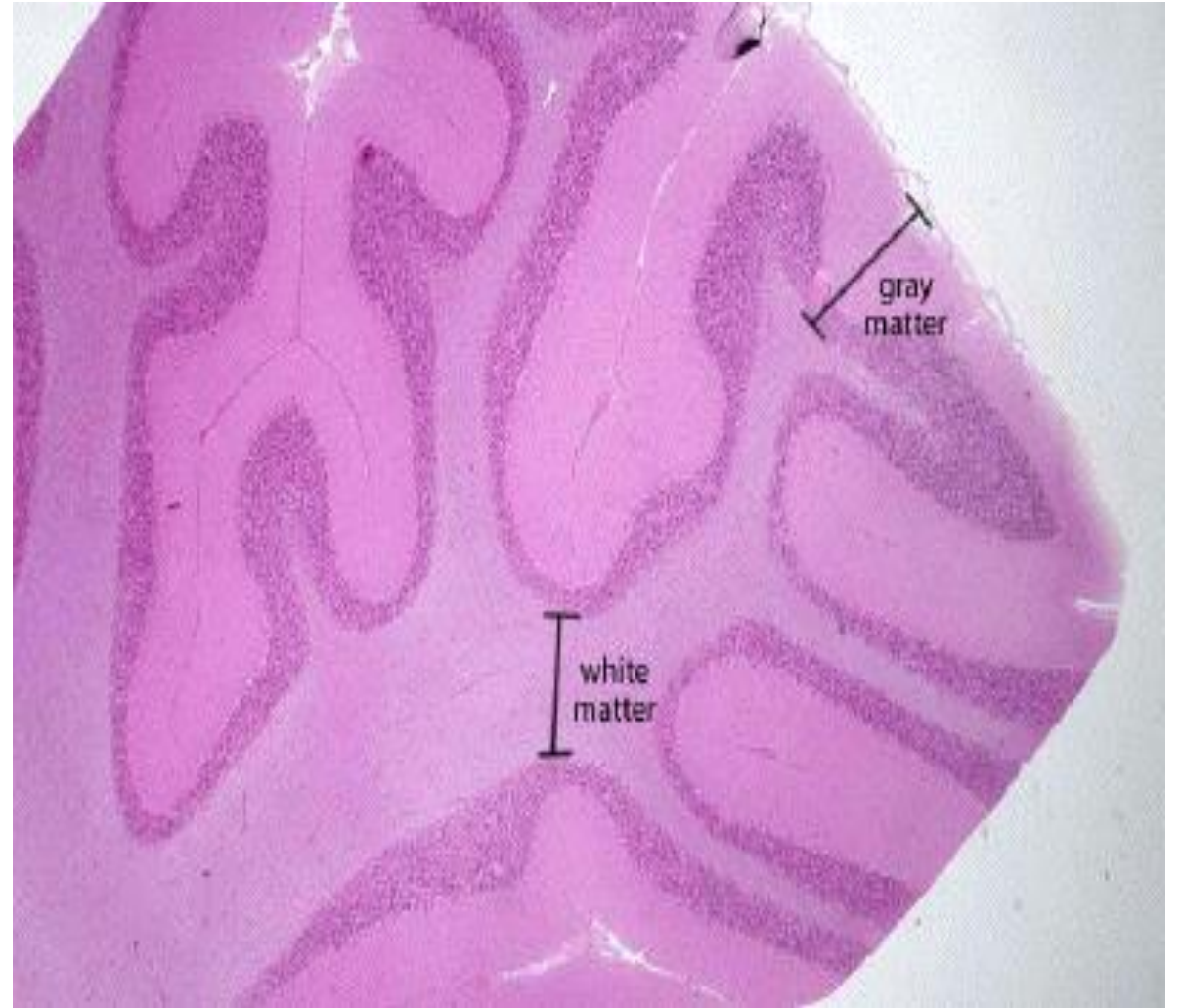
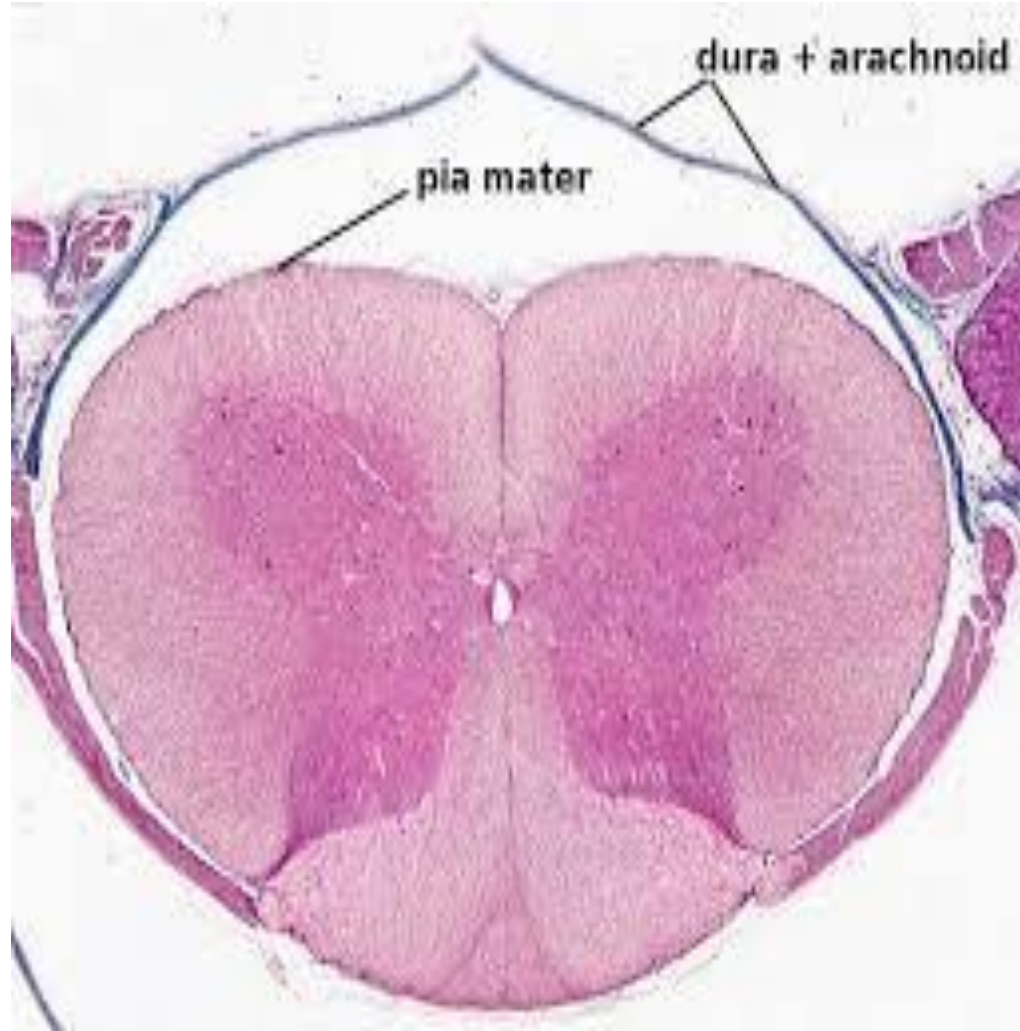
Pseudounipolar



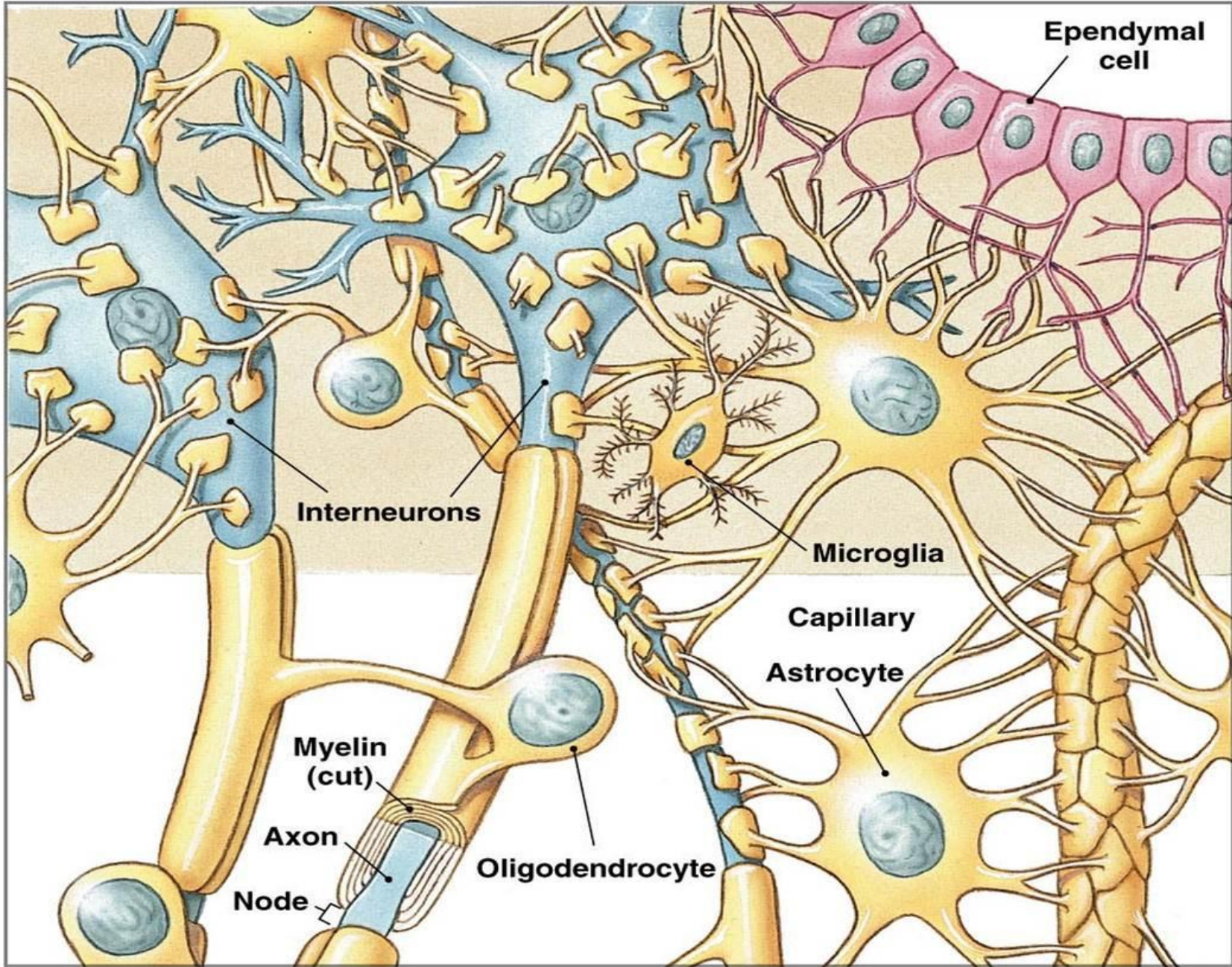
Multipolar











Ependymal cell

Interneurons

Microglia

Capillary

Astrocyte

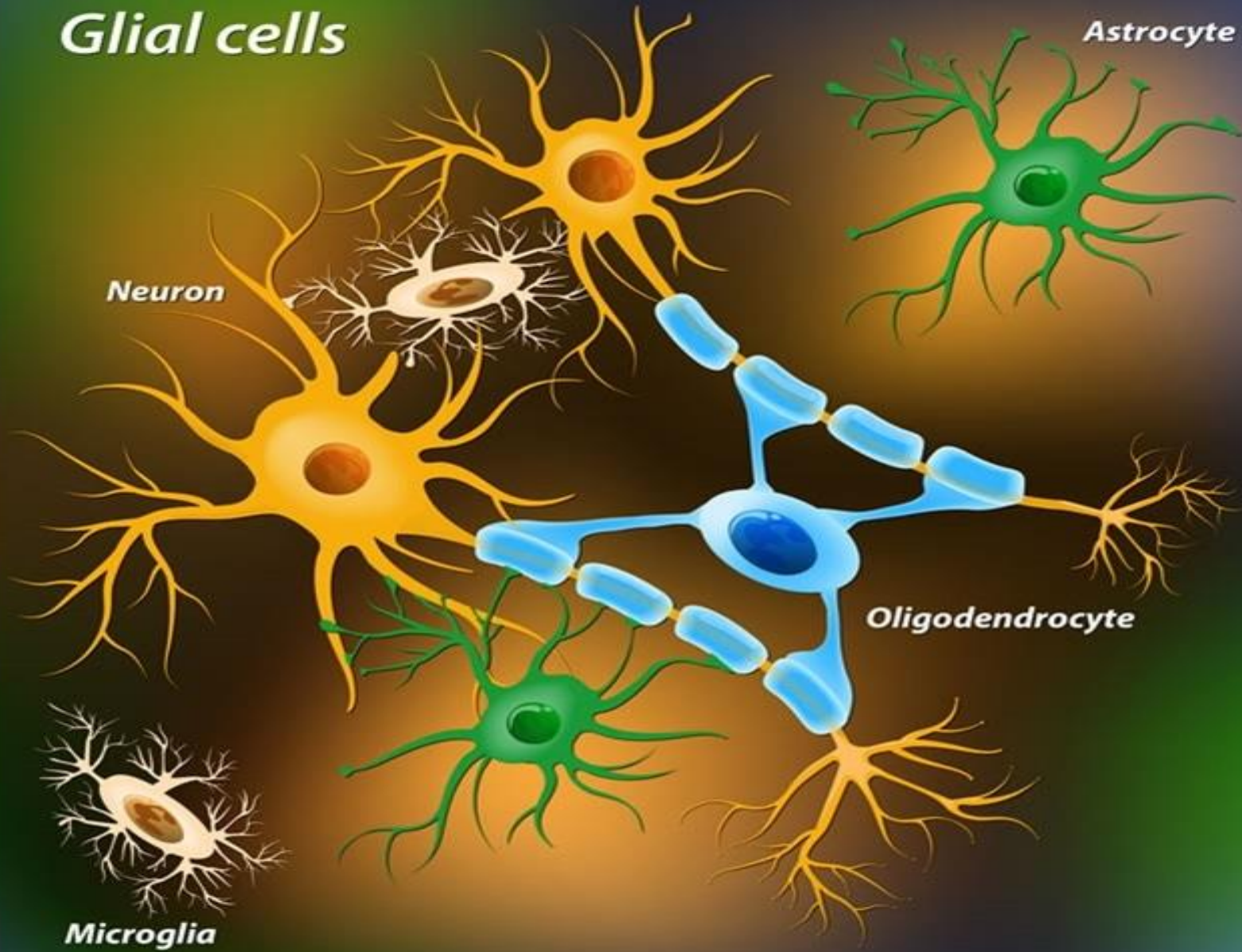
Myelin (cut)

Axon

Node

Oligodendrocyte

Glial cells

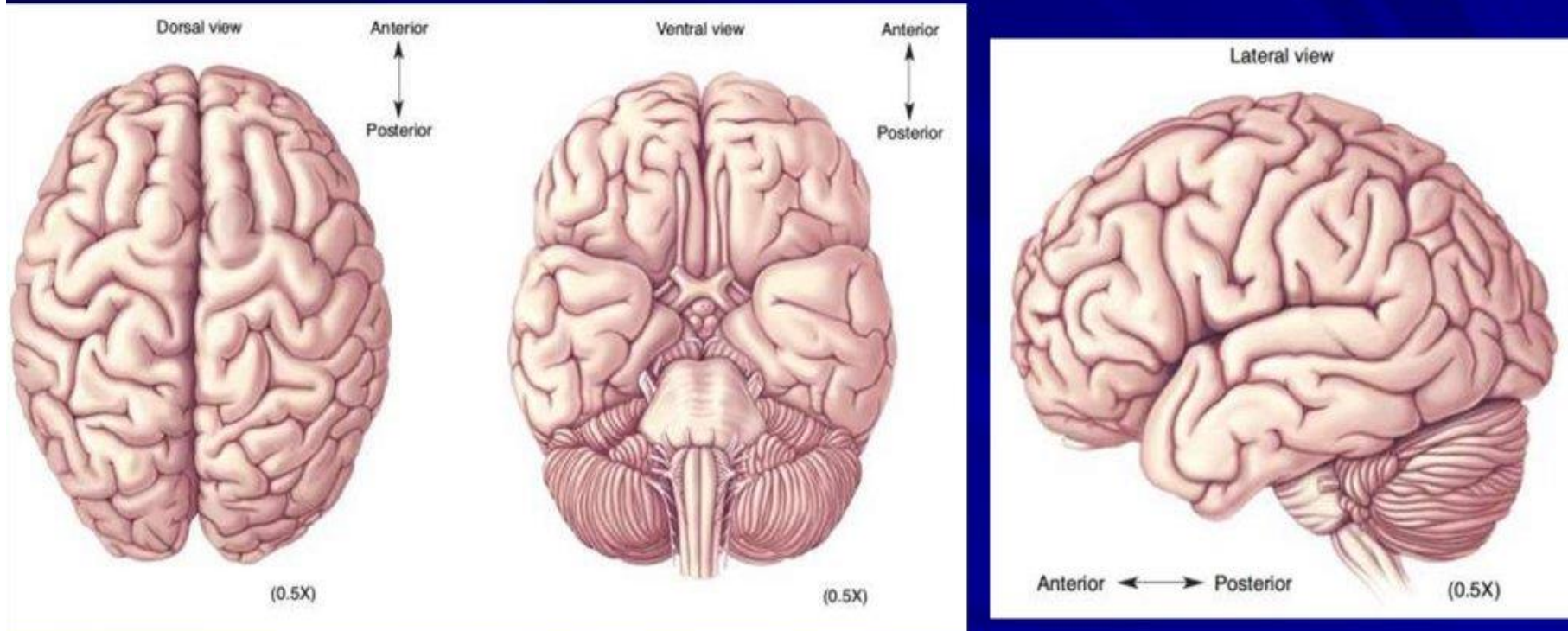


روانشناسی پزشکی و نوروپسیکولوژی، جلسہ سوم:

تشریح نوروفیزیولوژیکی مغز (قسمت اول)

Anatomy of the human brain

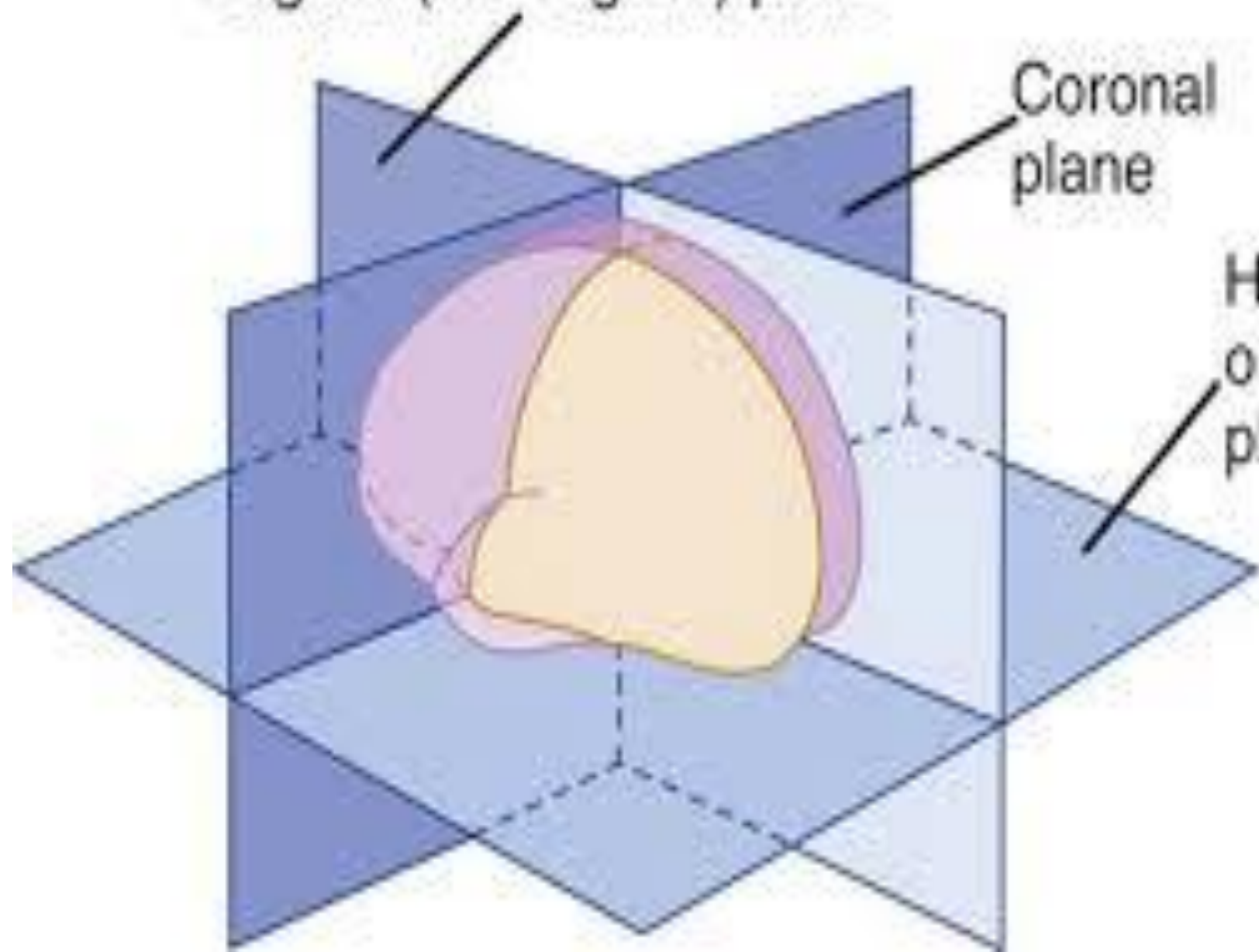
- Surface anatomy of the brain



Sagittal (midsagittal) plane

Coronal
plane

Horizontal,
or axial,
plane



Cerebrum

**Parietal
Lobe**

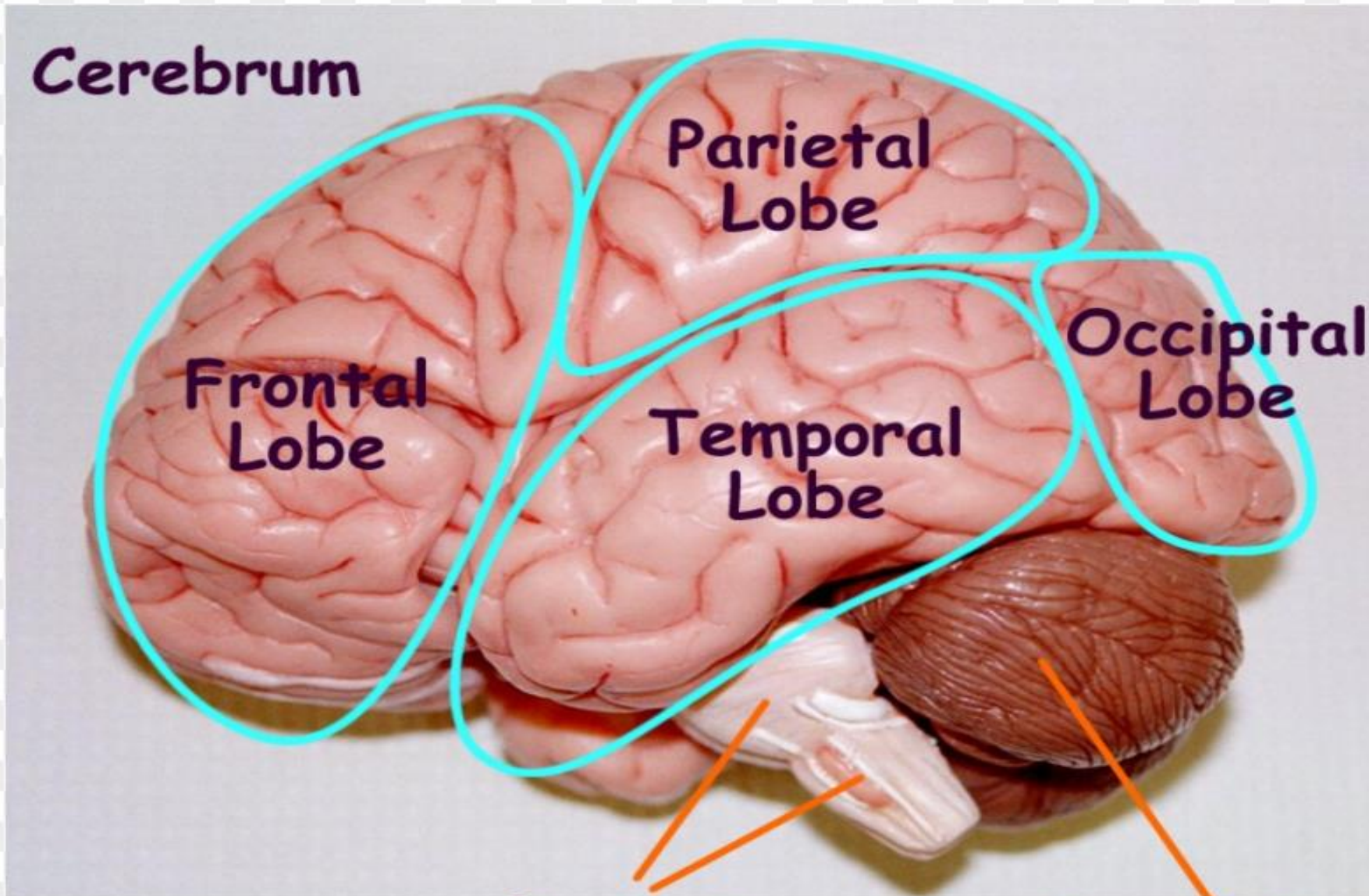
**Frontal
Lobe**

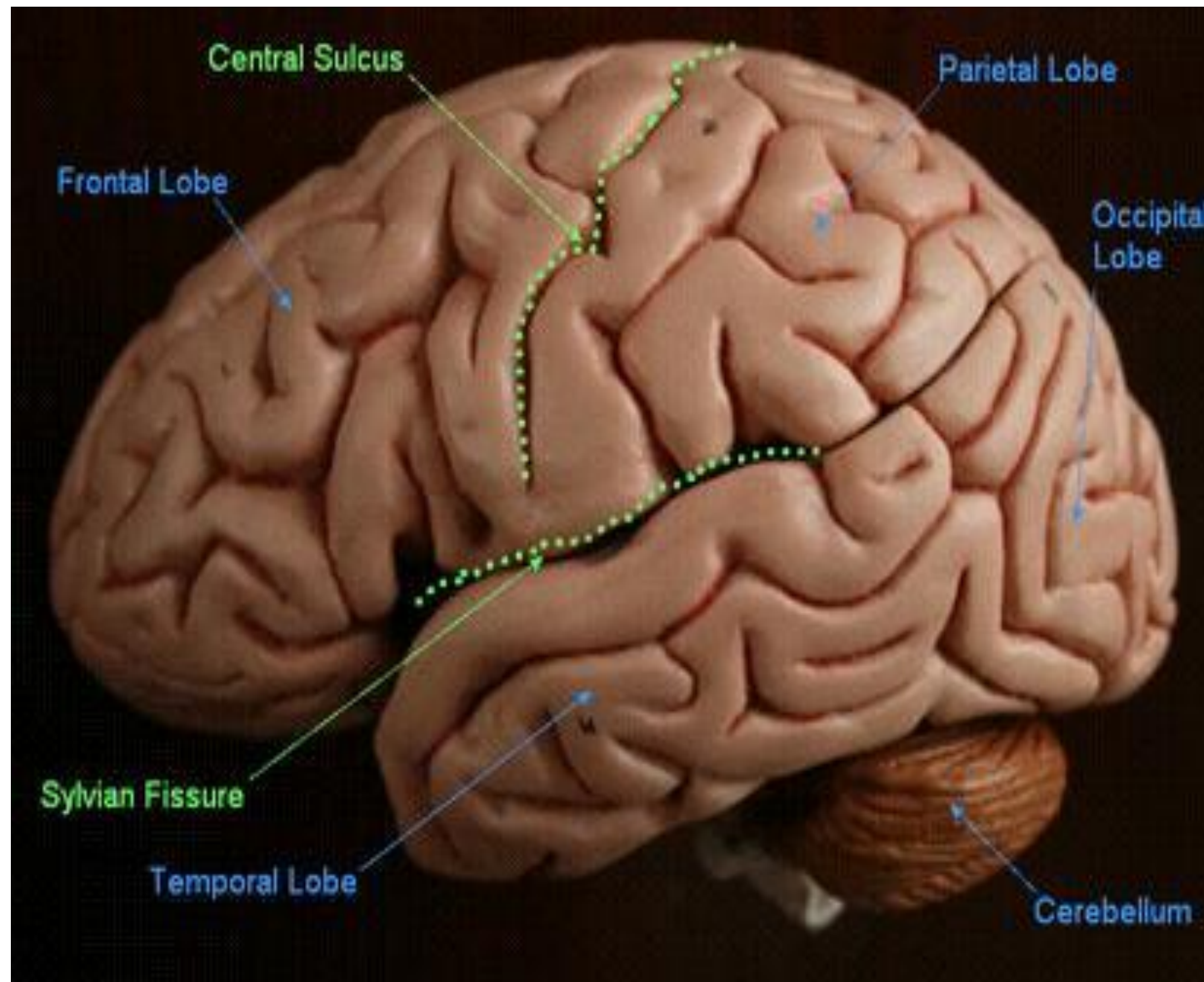
**Temporal
Lobe**

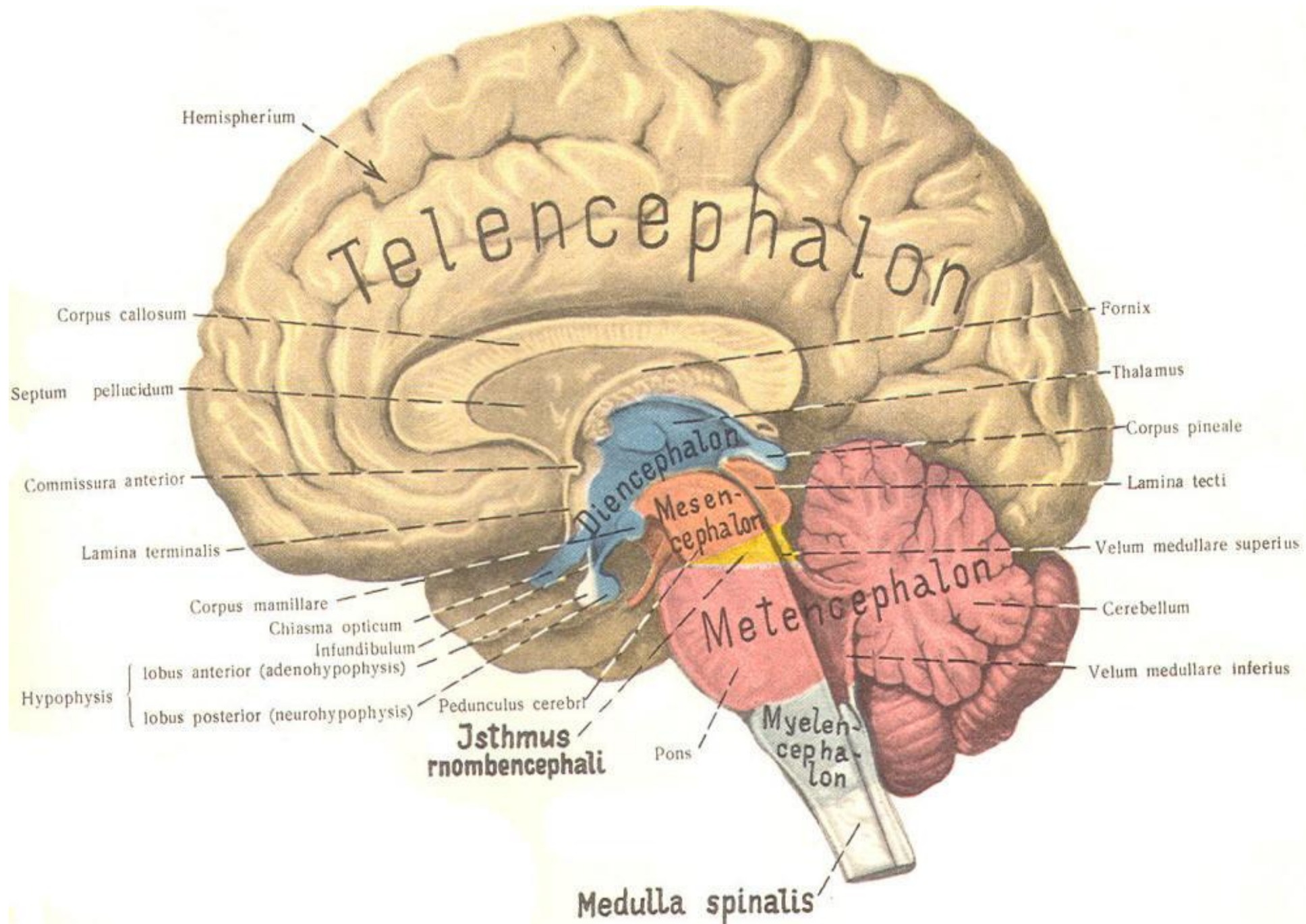
**Occipital
Lobe**

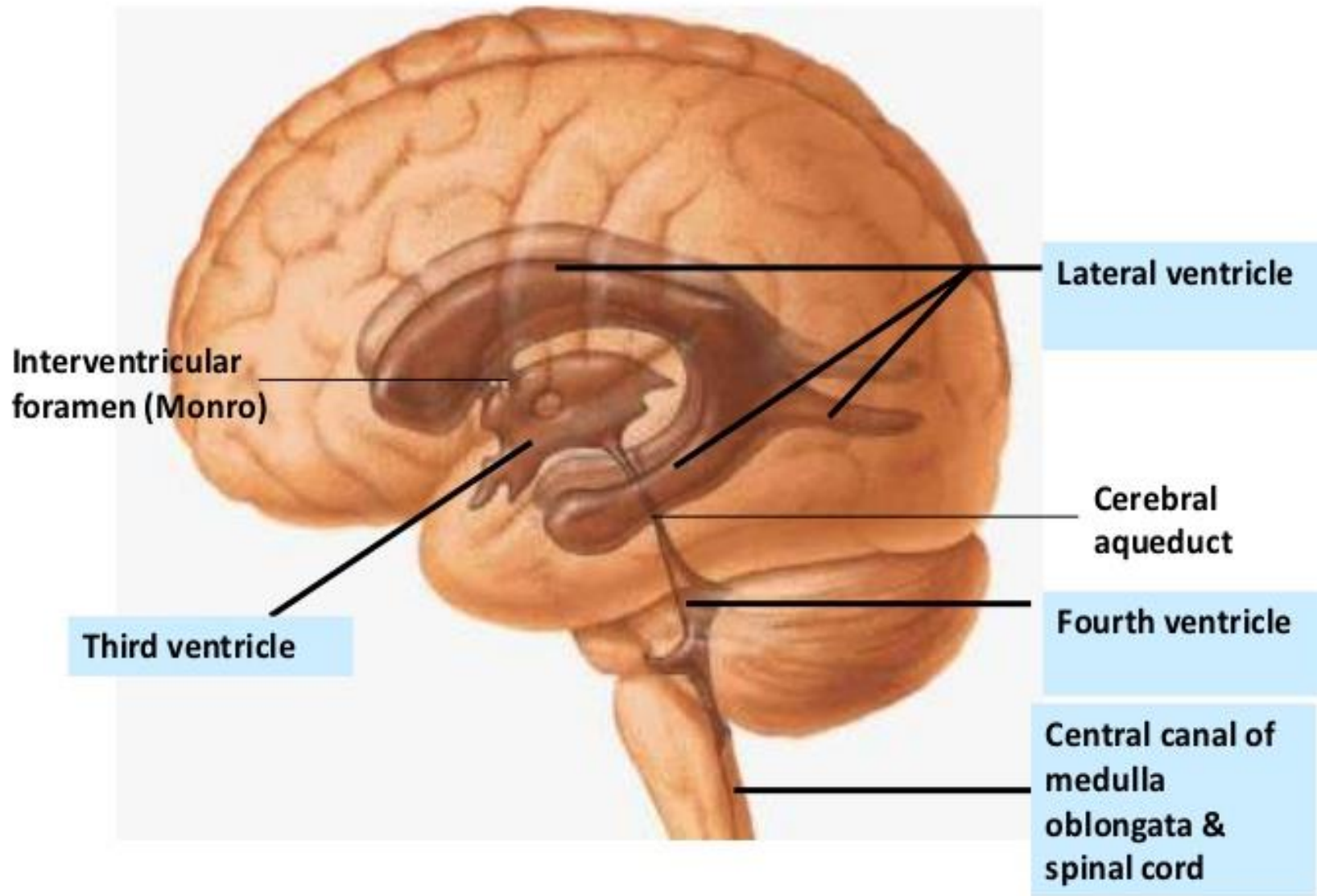
Brainstem

Cerebellum







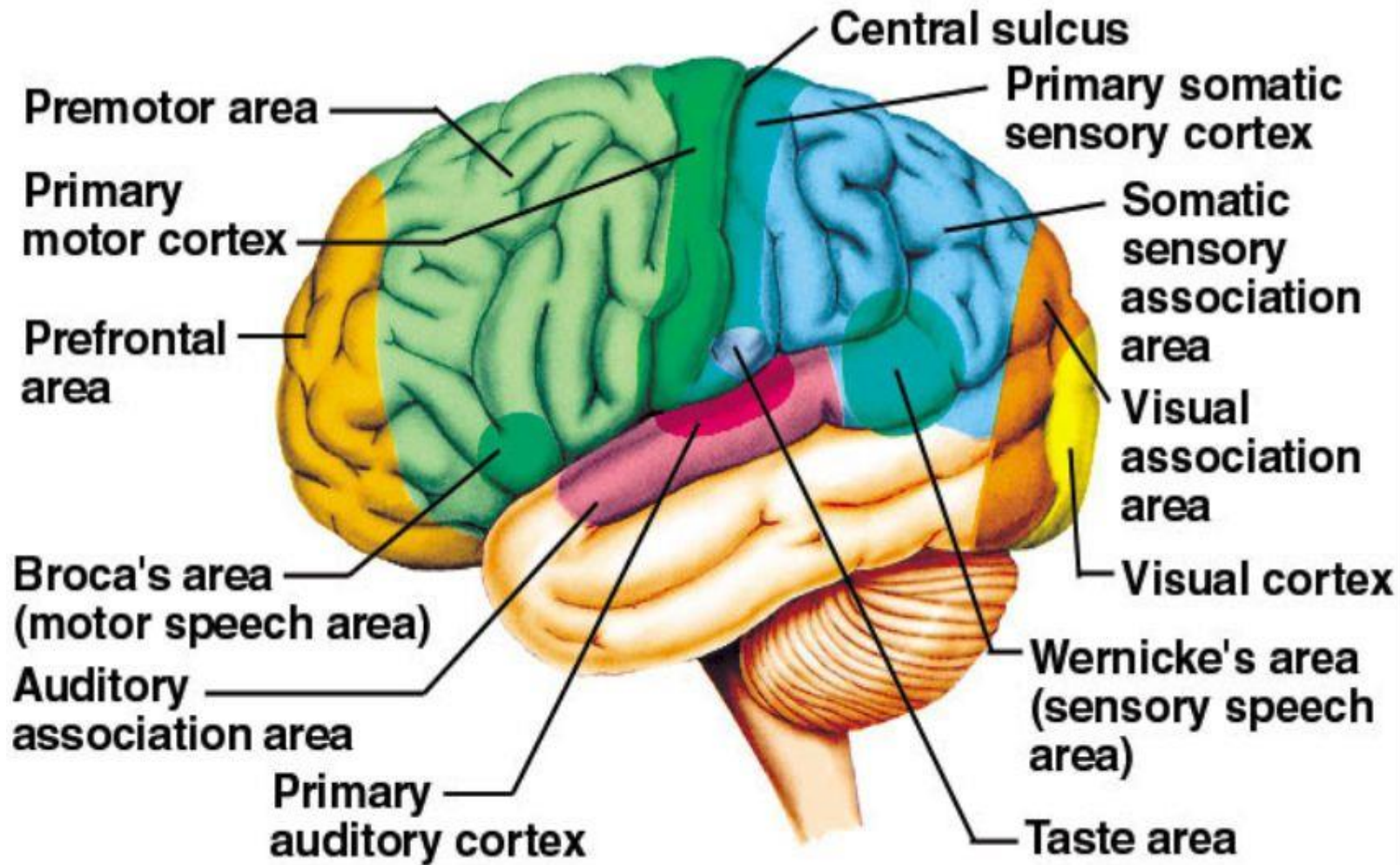


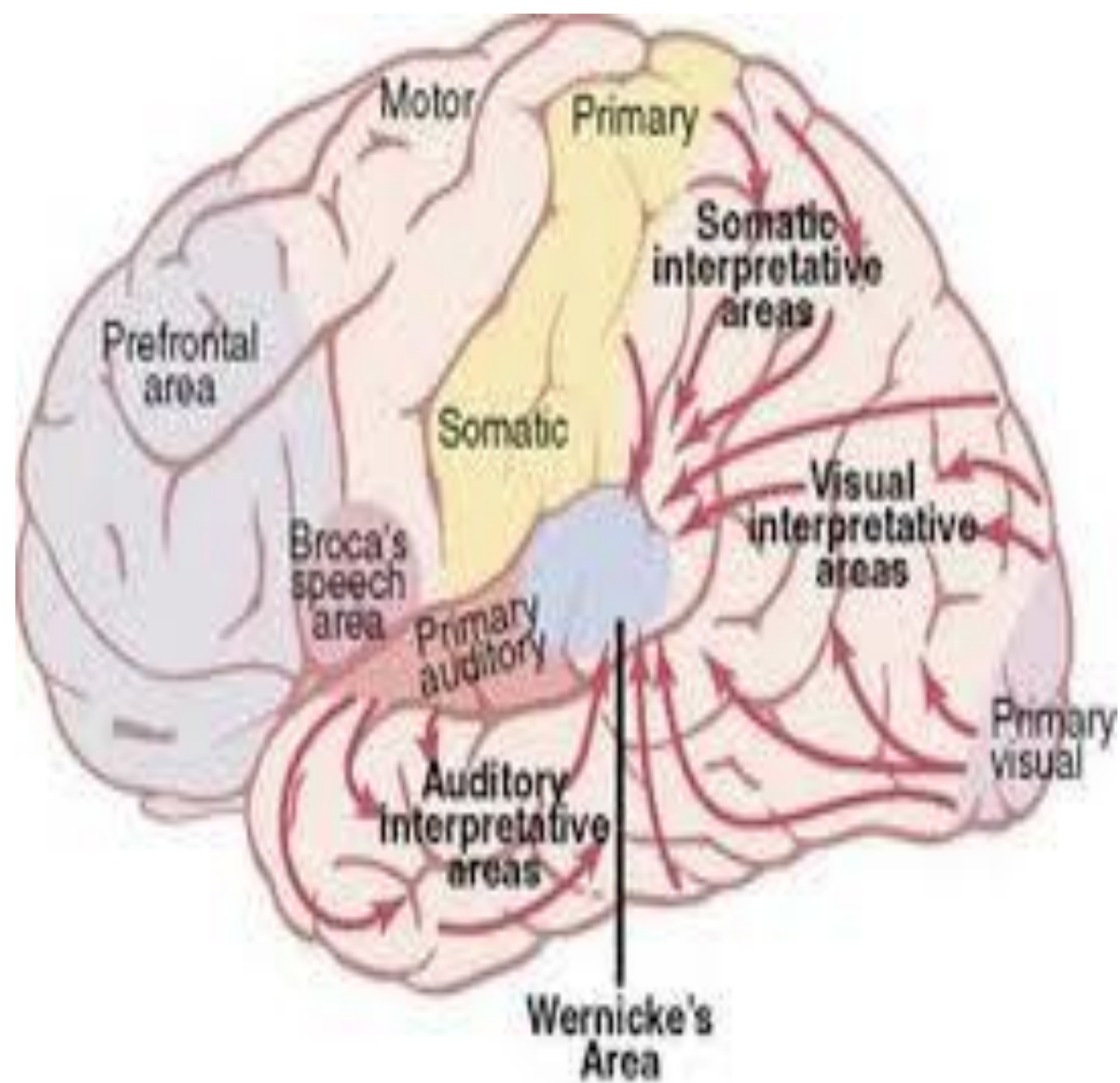
Lateral view to show the ventricular system of the CNS

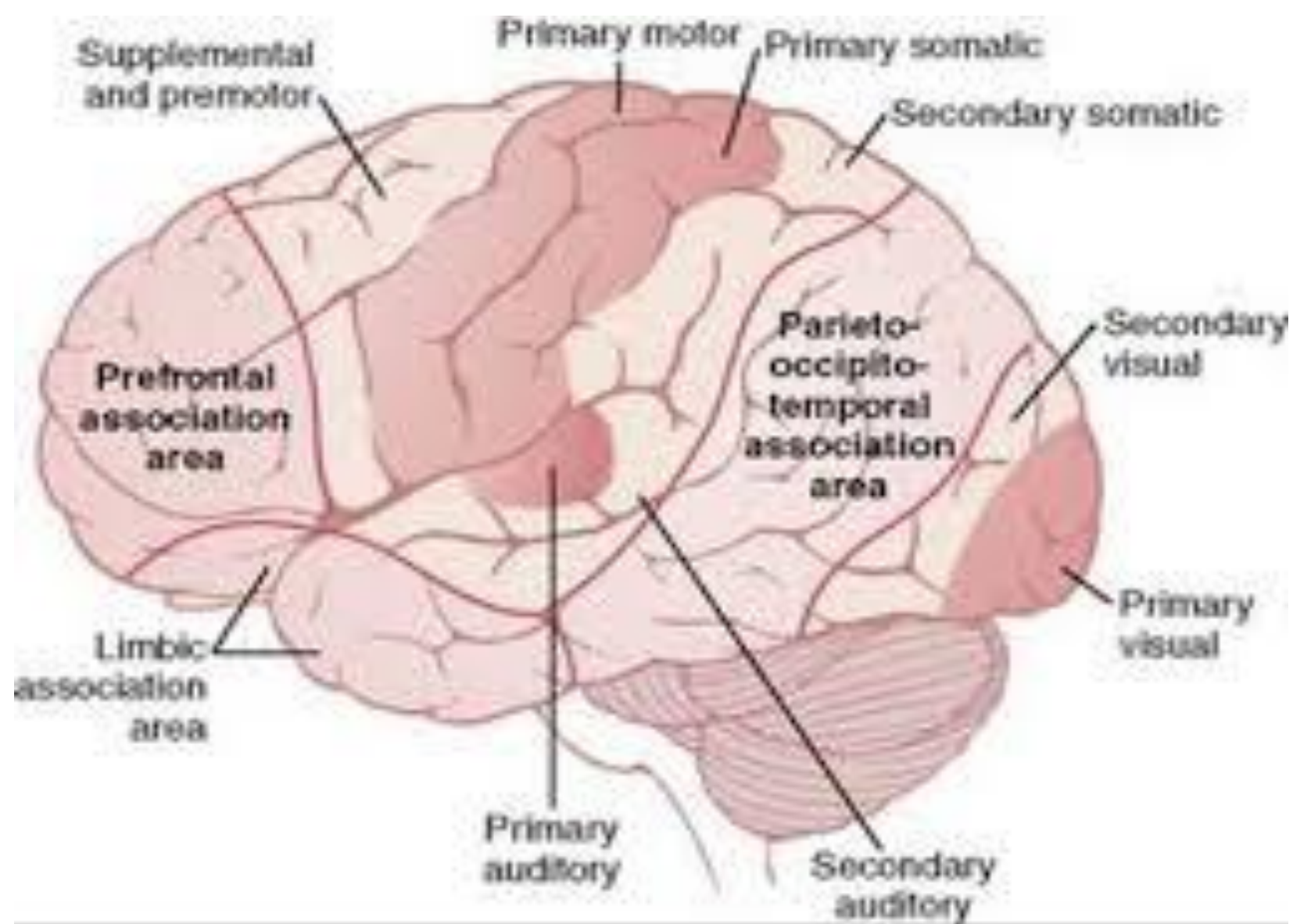
روانشناسی پزشکی و نوروپسیکولوژی، جلسہ چہارم:

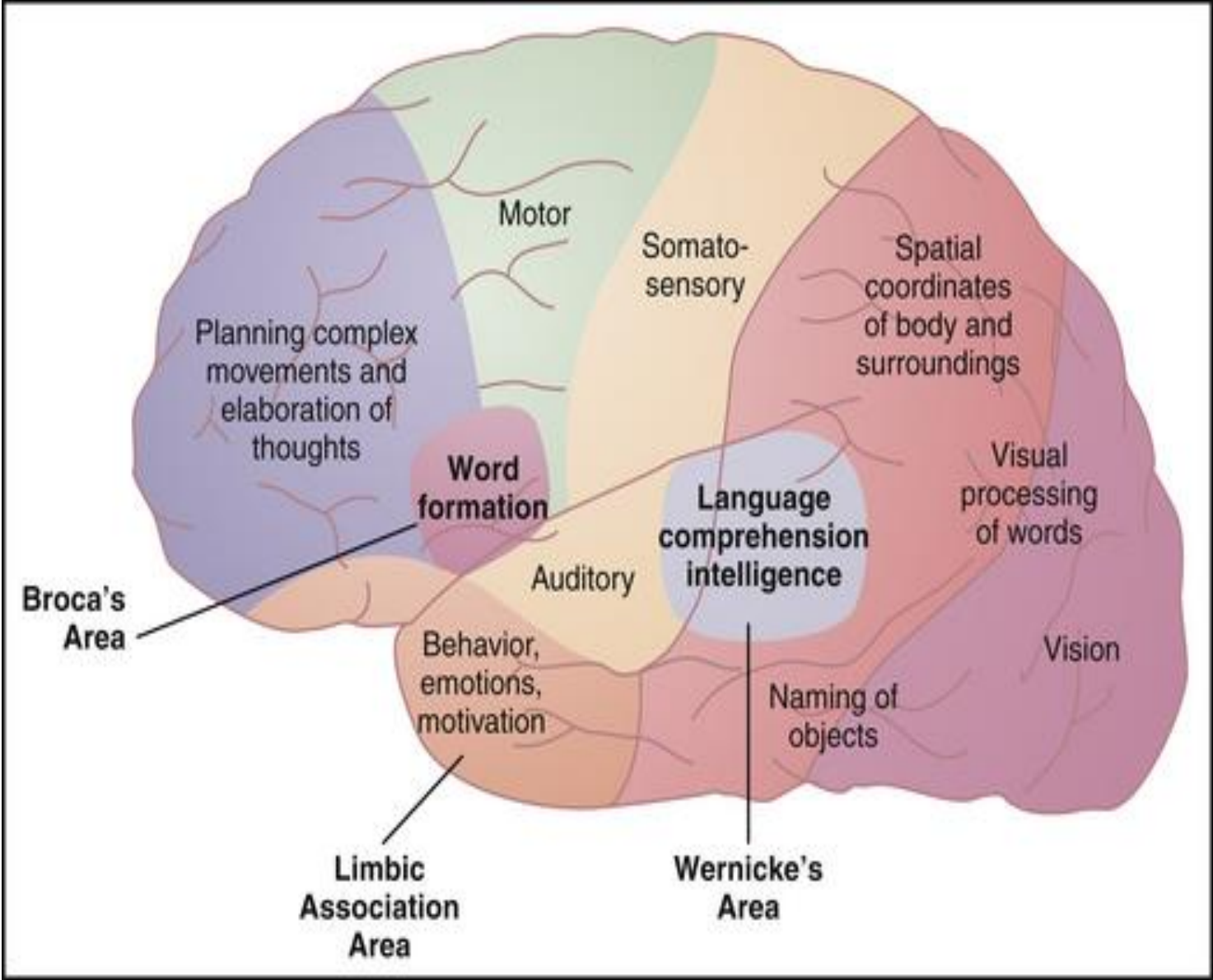
تشریح نوروفیزیولوژیکی مغز (قسمت دوم)

Some Functional Areas of the Lateral Side of the Left Cerebral Cortex









The Limbic System

