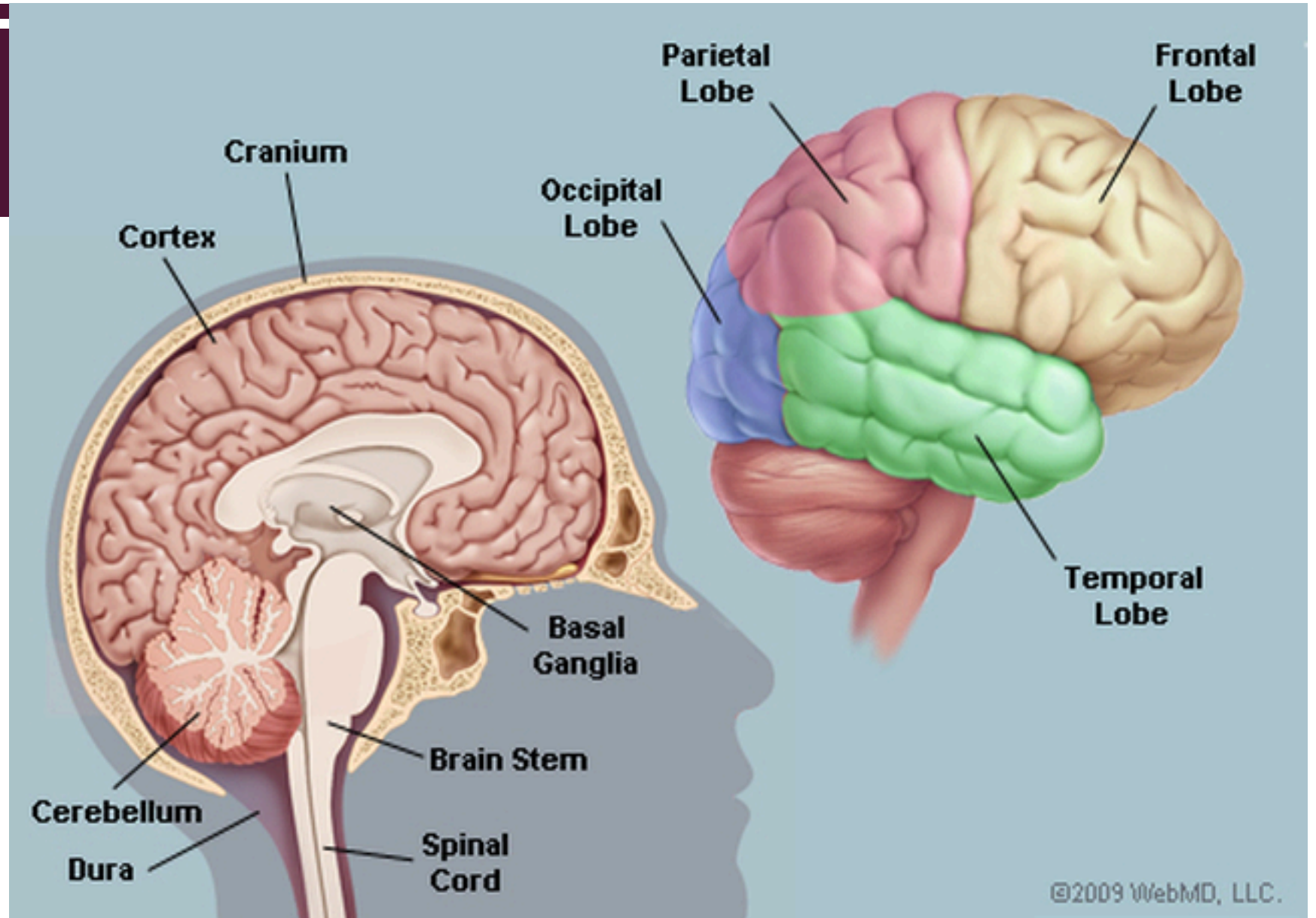


THE BRAIN



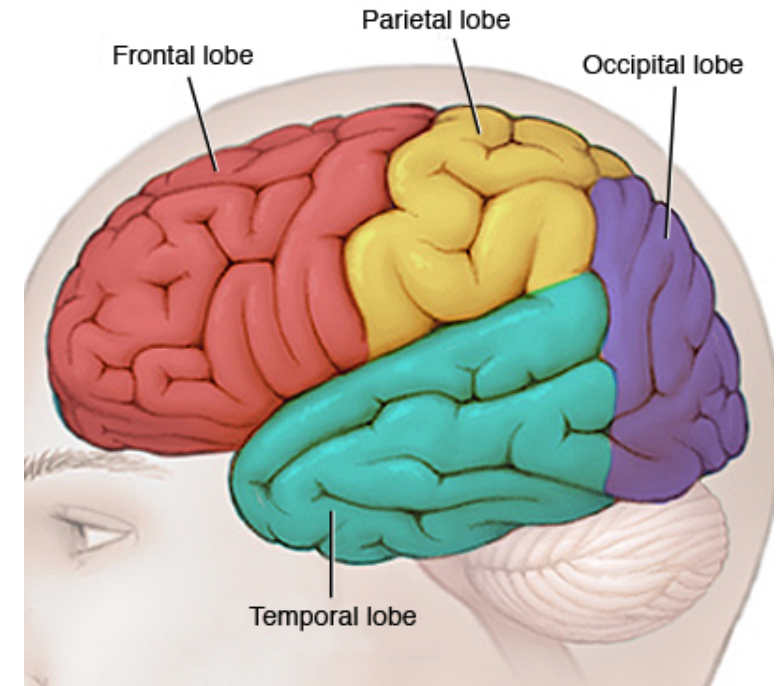
FOUR LOBES

- Frontal Lobe
- Parietal Lobe
- Temporal Lobe
- Occipital Lobe



FRONTAL LOBE

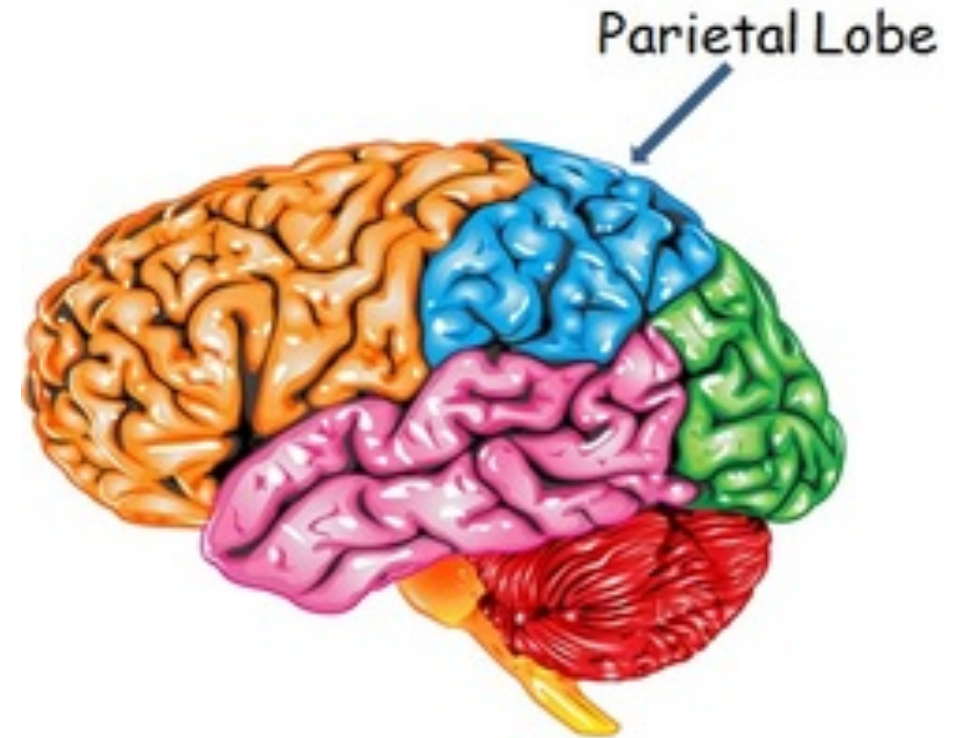
- Responsible for MANY THINGS:
 - Motor function (moving our hands & feet)
 - Language
 - Memory
 - Planning
 - Thinking
 - Concentration
 - Emotional expression
 - Creativity



© MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH. ALL RIGHTS RESERVED.

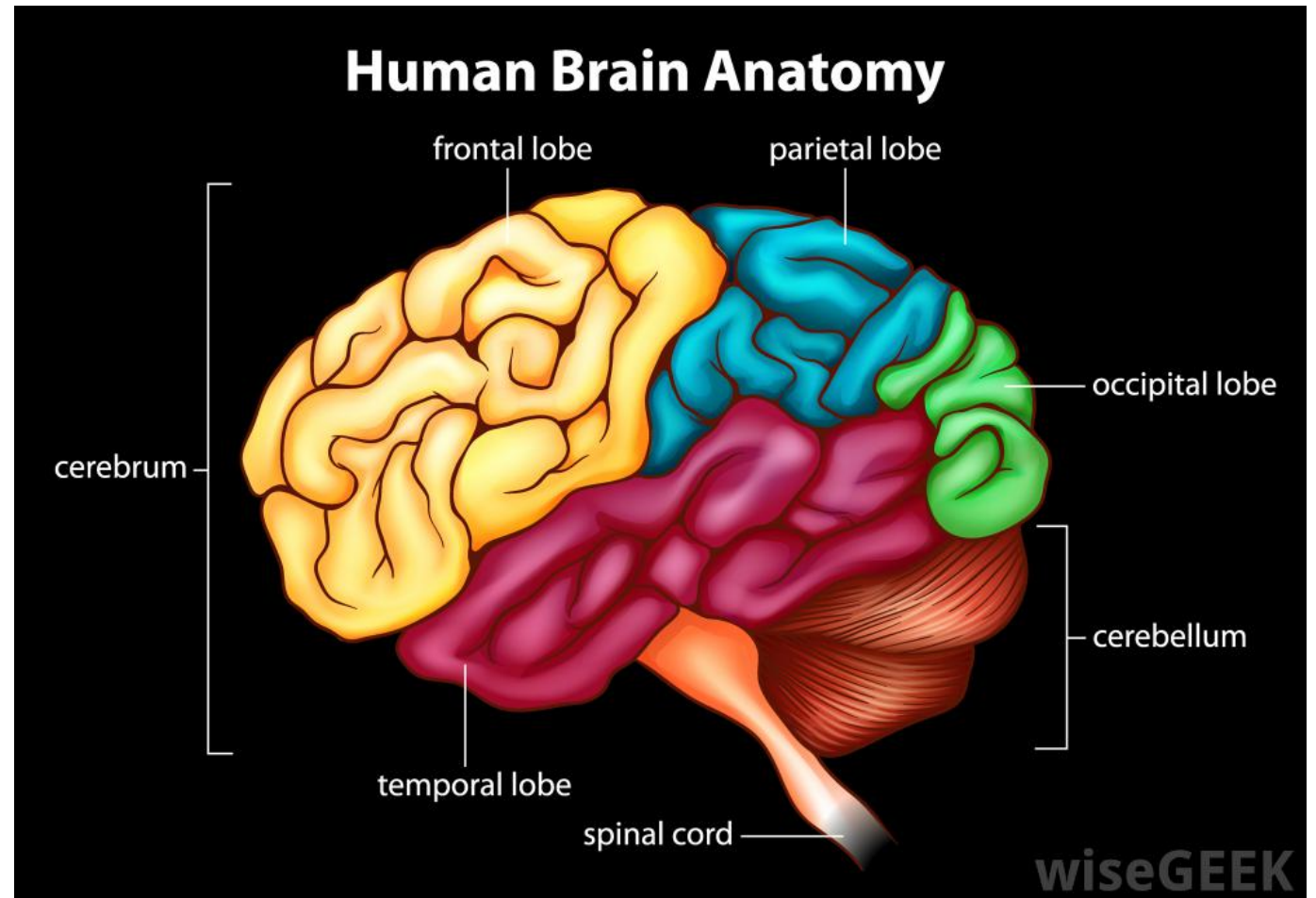
PARIETAL LOBE

- Top of the head
- Specialized for touch and perception
- Helps us to track objects' locations, shapes and orientations



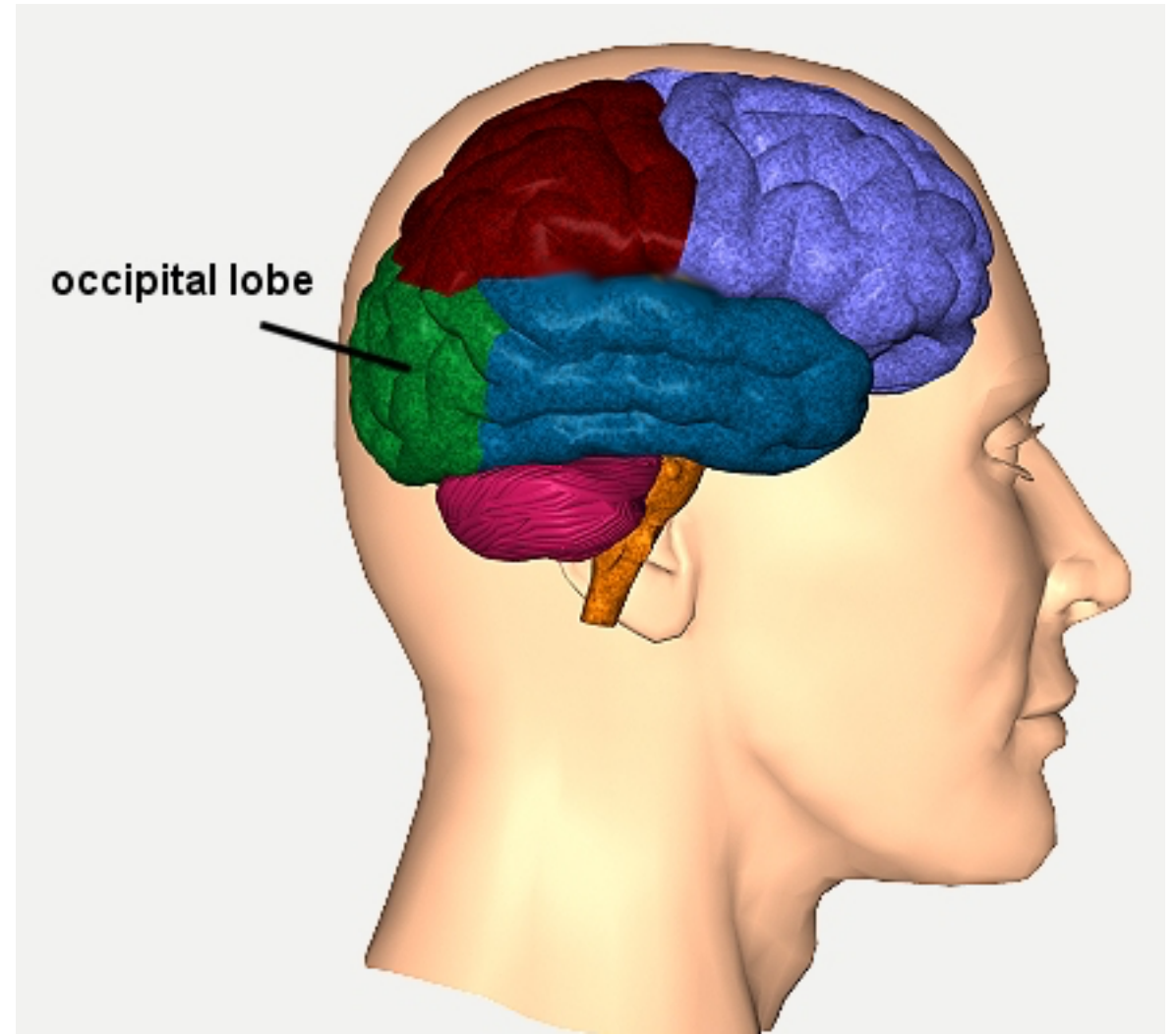
TEMPORAL LOBE

- On both sides of the head
- Important for hearing, understanding language and memory

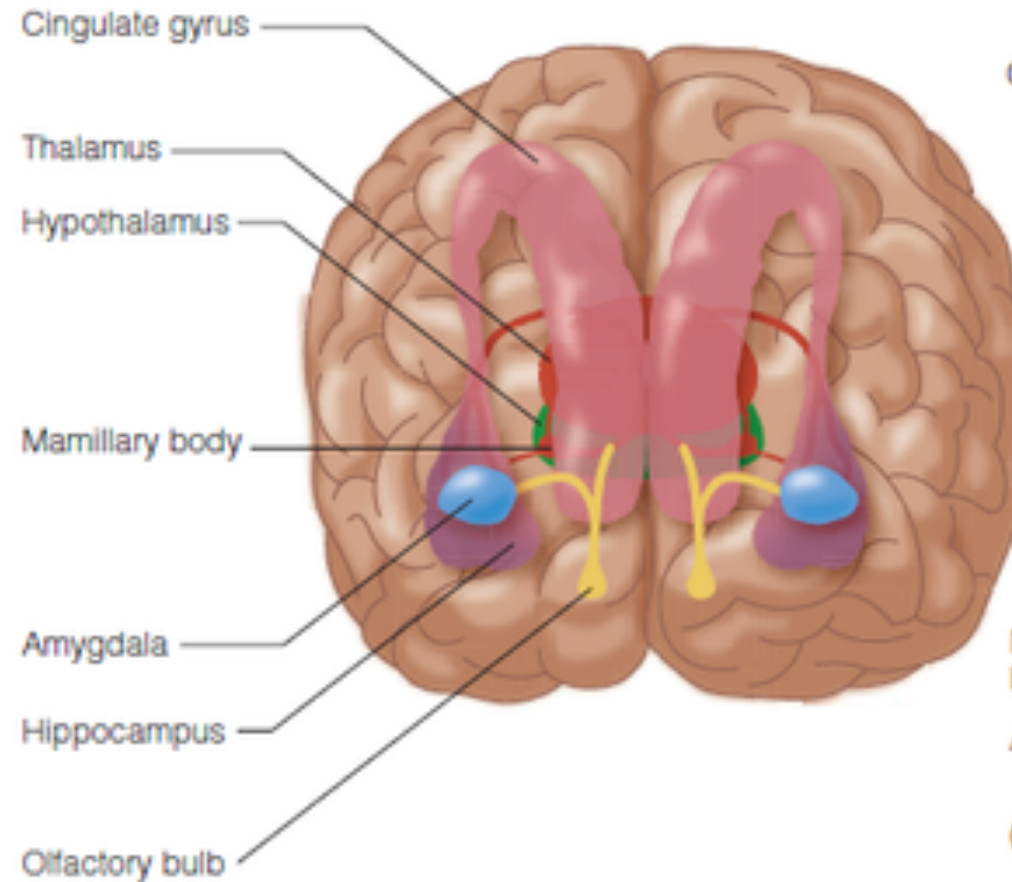


OCCIPITAL LOBE

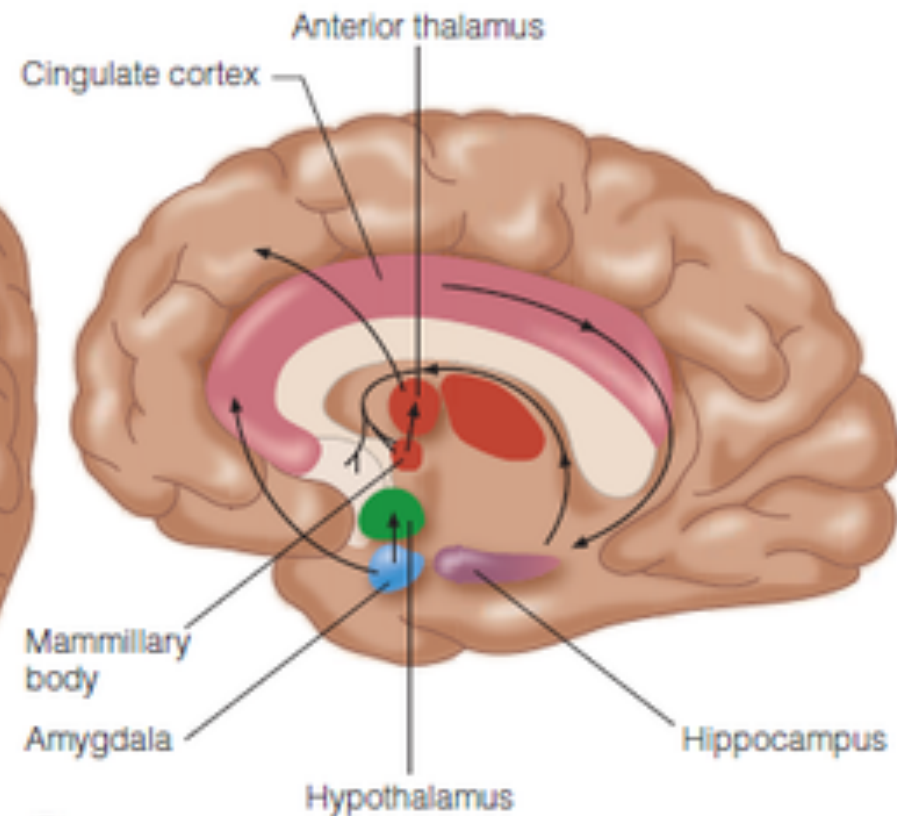
- Responsible for Vision
- Seeing an object and recognizing what the object is



LIMBIC SYSTEM



(A)



(B)

4 MAIN AREAS OF LIMBIC SYSTEM

1. Thalamus

- Gateway from the sense organs to primary sensory cortex (relay centre)

2. Hypothalamus

- Part of brain responsible for maintaining constant internal state – temperature, hunger, thirst, etc.

3. Amygdala

- Plays roles in fear, excitement and arousal

4. Hippocampus

- Crucial in spatial memory

BRAIN STEM AND CEREBELLUM

- Brain stem: Controls basic bodily functions that keep us alive (breathing, heart beat, etc.)
- Cerebellum: Predominant role in sense of balance, enables us to coordinate movement and learn motor skills
 - Contributes to executive, spatial and linguistic abilities

