The Human Brain

Use your textbook & research to include the name of each part of the brain & its function.

CEREBRAL CORTEX

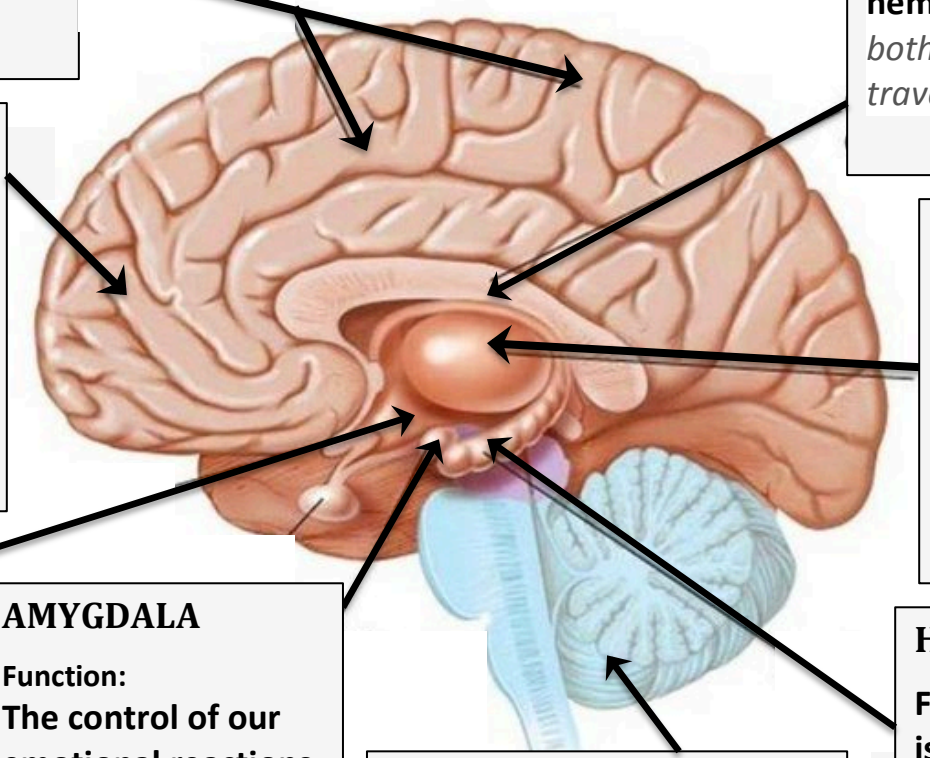
Function: Outer layer of the brain (3mm of 'grey matter', which is important for conscious awareness. *Linked to Memory & Criminal Psychology.*

CORPUS COLLOSUM

Function: The long neuron branches that connect the two halves (cerebral hemispheres) if the brain. *Traffic flows in both directions, but instead of vehicles traveling over the gap, it's information.*

FRONTAL LOBE

Function: Area of the brain in the temporal lobe involved in Long Term Memory.
Also associated with reasoning, planning, parts of speech, movement, emotions, and problem solving.



THALAMUS

Function: relay station for almost all information that comes and goes to the cortex.

It plays a role in pain sensation, attention, alertness and memory.

HYPOTHALAMUS

Function:
Master controller of the autonomic system (controlling behaviors such as hunger, thirst, *sleep*).

It monitors numerous bodily functions such as blood pressure and body temperature, as well as controlling body weight and appetite.

AMYGDALA

Function:
The control of our emotional reactions (flight, fight or freeze responses).
Has also been linked to the emotional influence on memory & criminal behaviour.

CEREBELLUM

Function: Area of the brain associated with procedural memories.
The guru of skilled, coordinated movement (e.g., returning a tennis) and is involved in some learning pathways.

HIPPOCAMPUS

Function: part of the temporal lobe, it is important for learning and memory - for converting short term memory to more permanent memory, and for recalling spatial relationships in the world about us.
Also associated with self-esteem and personalities that are susceptible to social influence.