Limbic System, emotional and memory brain

Forms the core of the brain between the cortex and brainstem Involved in instinctive behaviours, emotions, basic impulses and drives Such as sex aggression pleasure survival ect

Amygdala- assesses info for emotional significance, adds emotion to memories i(t is key in long-term memory storage because it gives memories meaning)

Part of the fear response, hard-wired ANS response linked through the hypothalamus (strong emotional like fear causes a strong ANS response)

Higher heart rate=higher breathing rate, adrenaline

Nuclei of the amygdala are affected by sex hormones therefore they are different in the sexes (different feeling emotions)

Hippocampus- major memory formation and recall

Passes working memory (prefrontal cortex) to long-term memory areas in the cortex Linked to hypothalamus and amygdala therefor emotional content is linked to memories Damage to Hippocampus:

Does not effect short term memory

Hypothalamus and Tegmentum

Bodily reactions and Importance certain time)
motivation behind behaviour

Damage to these:
Difficulty getting pleasure in 112
Addictions (alocal

Mammilary Bodies

Important for memory formation (objects) and memory recall

Fornix

Connection between mammilary bodies and hippocampus

Cyngulate Gyrus

Sensory associations to memories