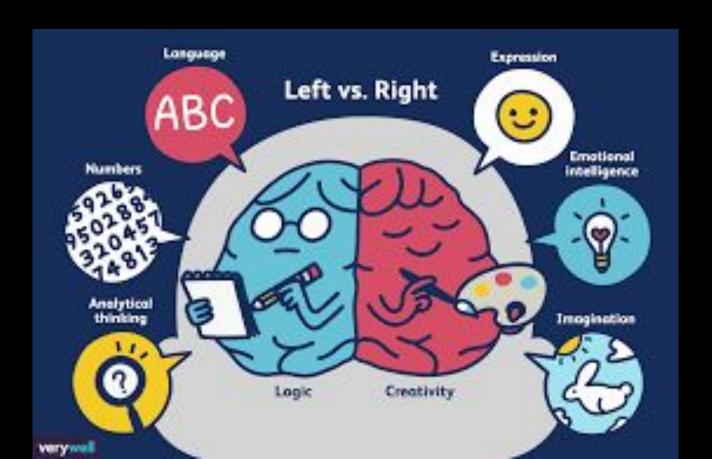
INTRO TO THE BRAIN

Localization: Cells and Lobes

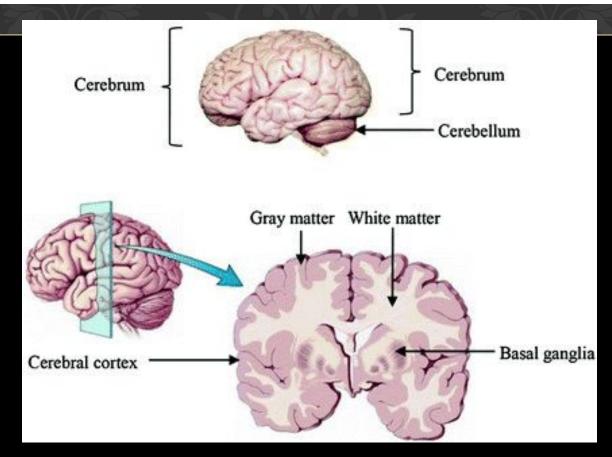


LOCALIZATION

- "Locals" are from a certain place/area
- Parts of the brain are associated with certain functions



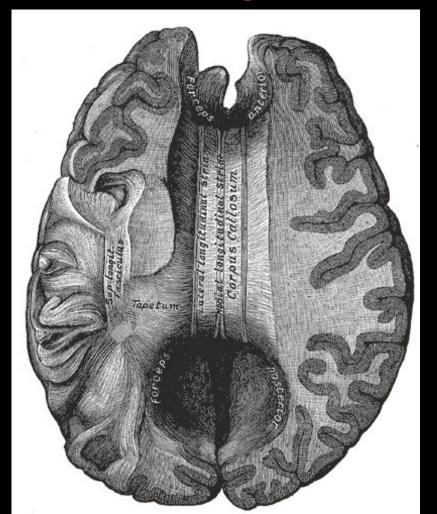
HIGHER-THINKING PROCESSES



- Cerebrum two large hemispheres, covers upper brain
- Cerebral cortex outer layer of cerebrum.

CORPUS CALLOSUM

Nerve fibers connecting the two hemispheres



Functional Localisation in the Brain

THE MAJOR DIVISIONS OF THE BRAIN

FOREBRAIN

Processes sensory information, helps with reasoning and problem-solving, and regulates autonomic, endocrine, and motor functions

HINDBRAIN

Helps to regulate
autonomic functions,
relay sensory information,
coordinate movement,
and maintain balance
and equilibrium

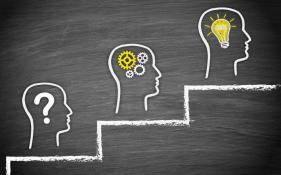
MIDBRAIN

Helps to regulate movement and process auditory and visual information

Thought Co.

Frontal Lobes – reasoning, planning, thinking & decision making (does not fully develop until age 25)





Parietal Lobes – Bodily sensations (movement, orientation and perception)





Occipital Lobes – visual processing



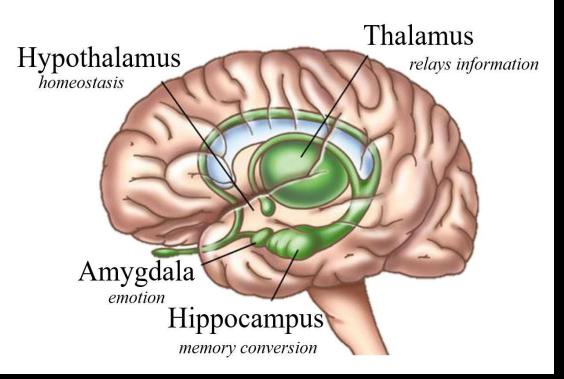


Temporal Lobes – hearing and memory



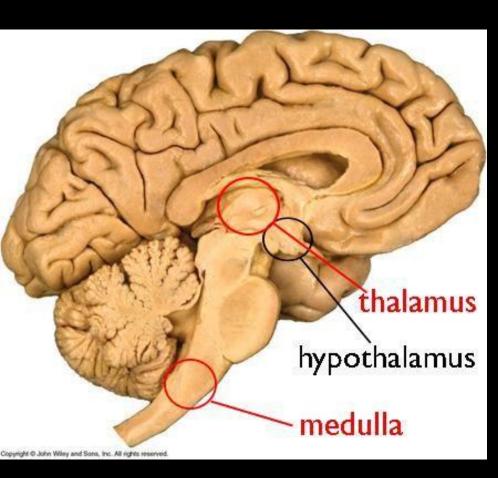
LIMBIC SYSTEM

The Limbic System



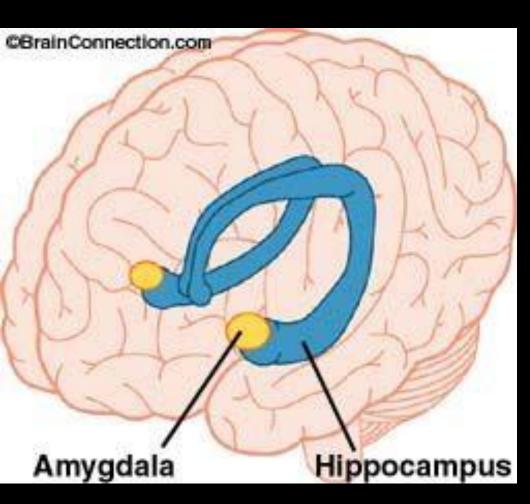
- Evolutionary older
- Subcortical structure
- "emotional brain"

LIMBIC SYSTEM



- Thalamus relay, sensory functions
- Hypothalamus emotion, thirst, hunger

LIMBIC SYSTEM



- Amygdalaemotion, fear
- Hippocampus
 learning, memory,
 spatial orientation

Lobe activity		
1) Show behaviors associated with the 4 lobes (pg 67-70) -each lobe should be represented		
2)Options: Narroted Images	Short Story	Skit Have to perform
*20pts *Individual	*20 pts *Individual	*2-4 people
* Don't Just the brain * Like a comic book * label lobe behavior	*1 page *Label lobe behavior in (parentheses)	*All 4 lobes