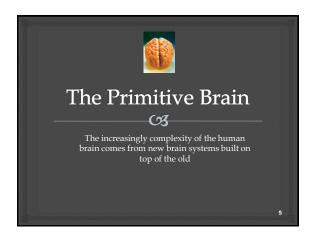


True or False? We Only Use 10% of Our Brain





The "Old" brain These structures tend to be responsible for basic, The Brainstem is the oldest region of the human brain. The Medulla controls basic body functions-heart beat, digestion and breathing.

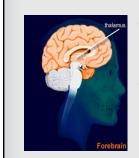
Cerebellum "Little brain" – attached to back surface of brain stem. It helps coordinate - Allows you to walk a straight line

The "Old" Brain

03

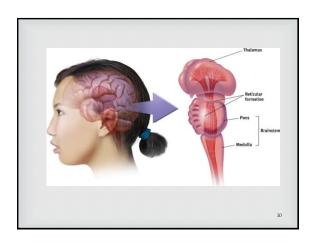
- $\ensuremath{\mathbb{R}}$ The reticular formation (RF) is a finger-shaped nerve network in the brainstem that plays an important role in controlling arousal.
 - It is involved in behaviors such as walking, sleeping, and turning to attend to a sudden noise.

8



- The Thalamus is a large structure of forebrain that acts
- Reprocesses sensory information from the CNS before it reaches the cerebral cortex

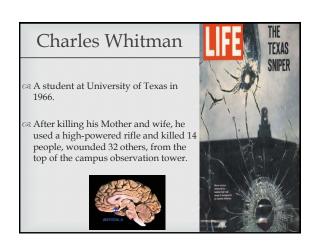
9

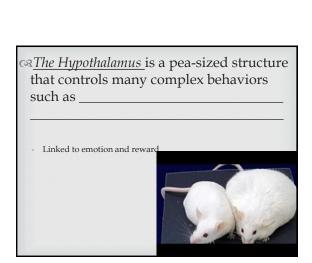


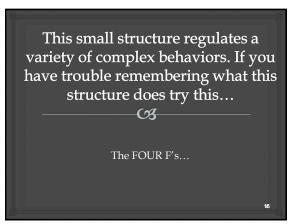
Not the old, but not quite the new.		
□ The Limbic System is a neural system located below the cerebral hemispheres; □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Hypothalamus Pituitary gland Amygdala Hippocampus	
are state	п	

The Hippocampus The hippocampus has a special role in _____ Individuals who suffer extensive hippocampal damage cannot retain any new conscious memories after the damage.

The Amygdala The Amygdala consists of two lima bean-sized neural clusters linked to the emotions Associated with fear and rage, including the perception of these emotions and the processing of emotional memories.



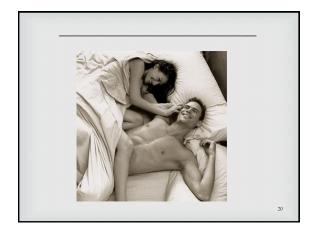






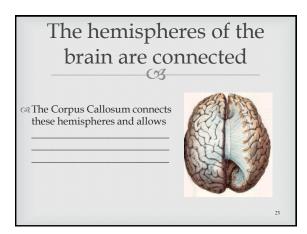


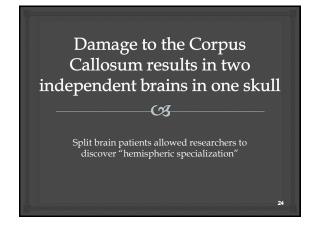




Can p	leasure become addicting?
	C3
WILL PRESS & LEVER FOOD	Research has shown that rats who received electrical stimulation will repeatedly press a lever which activates this region-producing pleasure (Olds & Milner, 1954).
	21

The "Newer" Brain The ______ (cerebral cortex) of the brain is comprised of interconnected neural cells that covers the cerebral hemispheres.





Split Brain Research This research showed that each hemisphere of the brain is specialized The right brain is associated with ______ The left brain is associated with speech and language. Broca's area Wernicke's area -

NextMore Brain,	
Please!	
	-
The four lobes of the cerebral cortex!	
	26