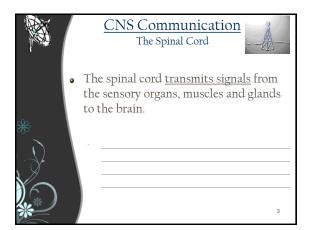
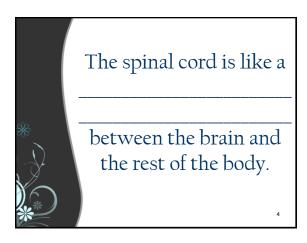
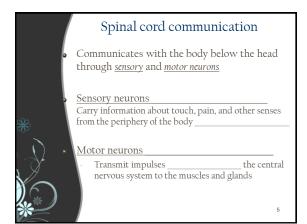
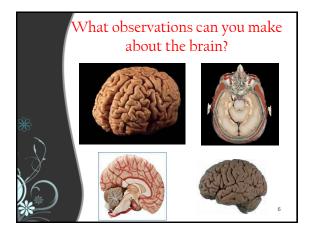


Class Objectives What are the 3 divisions of the brain? Hind-brain Mid-brain Forebrain What structures are in the brain and what are their functions?



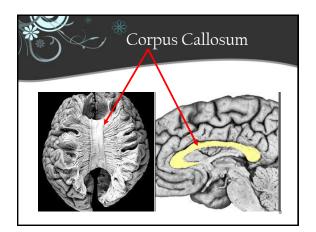


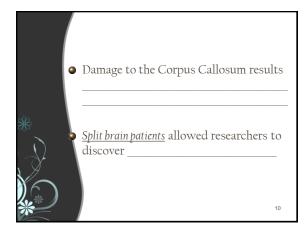




Looking at the Brain The brain is divided into 2 hemispheres Right and left hemispheres

The hemispheres of the brain are connected The _____ connects these hemispheres and allows communication from one side of the brain to the other.





Split Brain Research

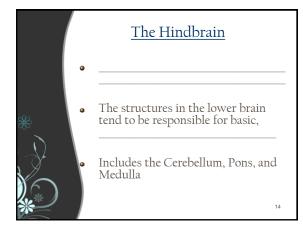
This research showed that each hemisphere of the brain is specialized

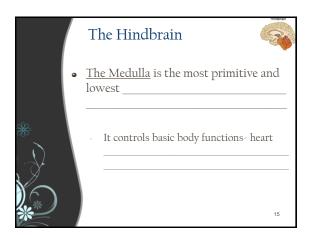
The right brain is associated with musical

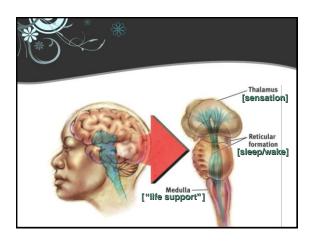
The left brain is associated with speech and

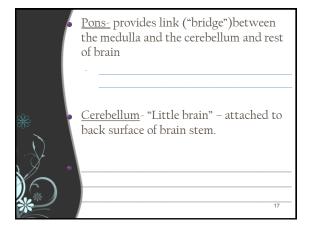


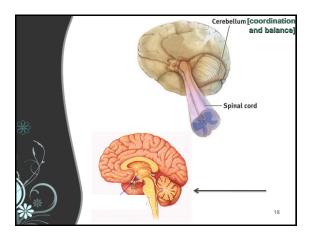
Three Divisions of the Brain - Hindbrain - Midbrain - Forebrain Midbrain Hindbrain - January Hindbrain - January Hindbrain











The Midbrain

- This is an area in which many nerve-fiber systems ascend and descend to_
 - The midbrain relays information between the brain and coordinates our visual and auditory reflexes.

The reticular formation (RF) is a finger-shaped structure that runs through the hindbrain and $\,$

midbrain.



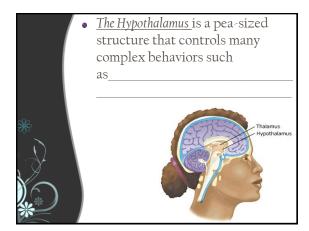
The Forebrain

- This the largest, most complicated and most advanced brain division.
- This area of the brain is associated with
 - The ability to concentrate, elaboration of thought, judgment and inhibition.



Forebrain

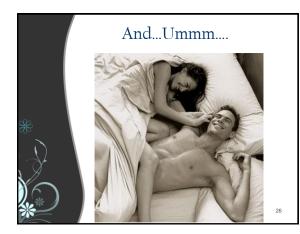
- The Thalamus is a large structure of forebrain that acts a routing
- Processes sensory information from the











Where do my emotions come from? The limbic system is an interconnected group of structures that are especially This is referred to as the "pleasure center" of the brain The limbic system also includes the hippocampus and amygdala

	The Hippocampus	
	• The hippocampus has a special role in	
	Individuals who suffer extensive hippocampal damage cannot retain any	
*)	This area seems to help us	
	that were used when we originally encountered the information (Trinkler & others, 2009).	
	The Amygdala	
*	The <i>Amygdala</i> is involved in the discrimination of objects that are necessary for the organism's	
	The	
	In humans, damage to the amygdala can result in an inability to recognize facial expressions of distress.	
*	29	
	Can pleasure become addicting?	
٠		
*	The rats will choose to press the bar in preference over food and water, eventually dying from exhaustion!	
WILL PRESS	Recent research suggests that there is a link	

		,	
	More Brain Next Class!		
*			
	The four lobes of the cerebral cortex!		
*	31	,	