

Graphic Organizer Activity

6

The Three Parts of the Brain

Directions: The human brain is composed of three parts. Each part of the brain has several different structures with different functions. Complete the graphic organizer by listing each part of the brain and its location. Then list the structures that each part of the brain includes and the function of each of those structures.

THE THREE PARTS OF THE BRAIN		
Part of Brain:	Includes These Structures:	Function of Each Structure:
Hindbrain	Cerebellum medulla pons	posture, balance, voluntary movement breathing, heartrate, reflexes bridge between spinal cord + brain brain, produces sleep chemicals
Location: rear base of skull		
Part of Brain:	Includes These Structures:	Function of Each Structure:
Mid brain	RAS (Covers brainstem)	integrates sensory information and relays it upwards alerts brain to incoming signals Controls sleep cycle
Location: above the pons		
Part of Brain:	Includes These Structures:	Function of Each Structure:
Forebrain	thalamus Hypothalamus Amygdala Hippocampus Cerebrum Cerebral cortex	integrates/relays sensory info (except smell) body temp, hunger, thirst, sex violent emotions forming new memories 2 hemispheres, 4 lobes, divided by Corpus cal outer layer - learn, memory, read, abstract info
Location: covers brain's central core		