Central Nervous System - Brain

- Identify the anatomical location of each major brain area.
- Describe the functions of the major brain areas including specialized subregions.















Cerebrum - basal nuclei and limbic system

- Basal nuclei control of movement
- Limbic System
 - Cingulate gyrus role in emotion
 - Hippocampus learning & memory
 - Amygdala emotion & memory











Diencephalon -thalamus & hypothalamus

- Thalamus relay & sensory integration
- Hypothalamus
 - Homeostatic control centers
 - Motivated behavior control
 - Hunger, stress
 - Thirst: body osmolarity
 - Autonomic NS control
 - Emotional input
 - Circadian rhythmsTropic for endocrine



Map this pathway:

"You touch the desk and then move your hand away as soon as you feel the desk."



