

## BASAL GANGLIA

Involved in motor control and planning as well as the initiation and termination of action

## NEOCORTEX

Responsible for higher cognitive functions and the integration of sensory information

## VENTRAL STRIATUM

Involved in the prediction and feeling of reward

## HYPOTHALAMUS

Controls appetite, hormonal levels, and sexual behavior

## AMYGDALA

Responsible for anxiety, emotion, and fear

## HIPPOCAMPUS

Important for memory and the learning of facts, sequences, and places

## BRAIN STEM AND SPINAL CORD

Important in the vomiting reflex and the sensation of pain

## CEREBELLUM

Center for motor control and coordination

