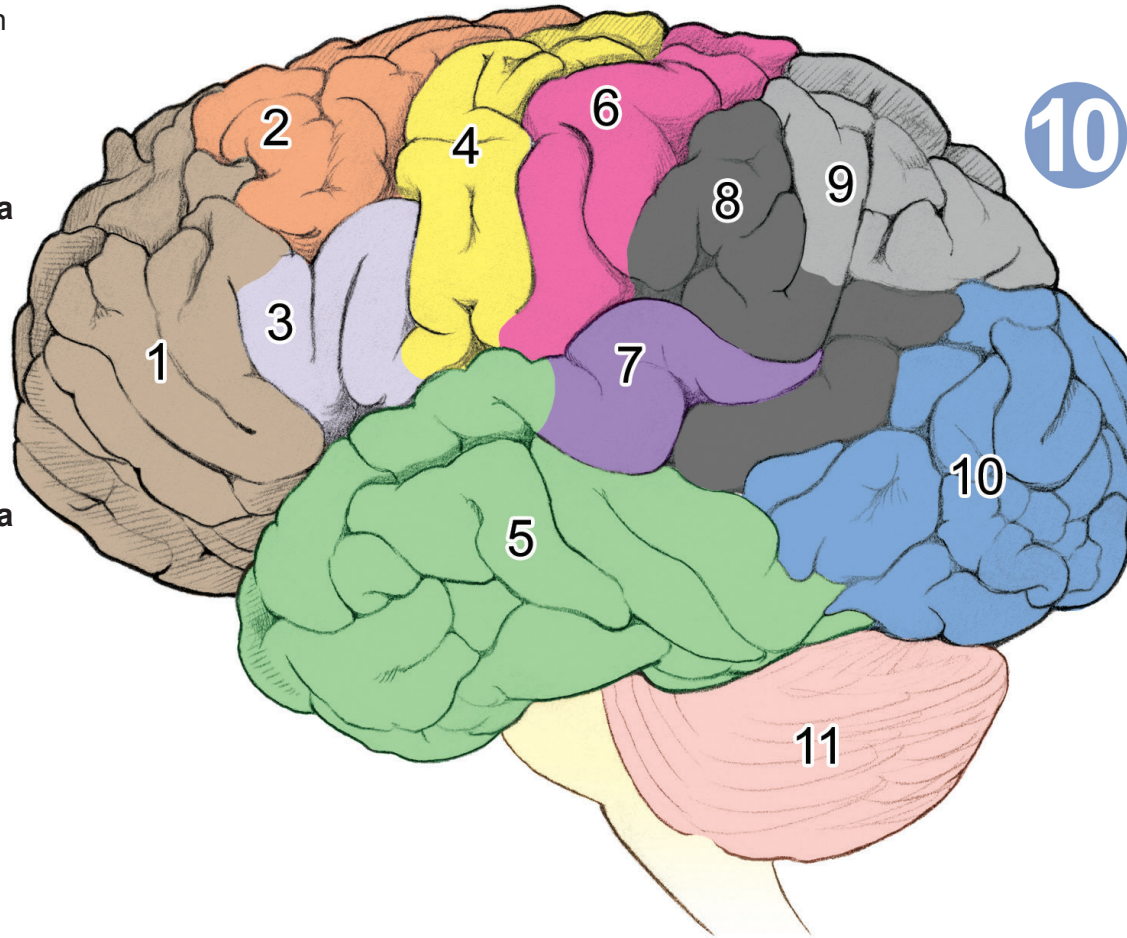


FUNCTIONAL AREAS OF THE CEREBRAL CORTEX

- 1 Higher Mental Functions**
 - Concentration
 - Planning
 - Judgment
 - Emotional expression
 - Creativity
 - Inhibition - Ability to control self
- 2 Motor Function Area**
 - Eye movement and placement of eyes
- 3 Broca's Area**
 - Ability to talk
 - Ability to write
- 4 Motor Function Area**
 - Ability to move muscles
- 5 Association Area**
 - Short-term memory
 - Emotion
- 6 Sensory Area**
 - Touching and feeling
- 7 Auditory Area**
 - Hearing
- 8 Wernicke's Area**
 - Written and spoken language understanding



- 9 Somatosensory Association Area**
 - Understanding of weight, texture, temperature, etc. for recognizing and comprehending an object
- 10 Visual Areas**
 - Sight
 - Ability to recognize pictures
 - Awareness of size and shape

FUNCTIONAL AREAS OF THE CEREBELLUM

- 11 Motor Functions**
 - Coordination of movement
 - Balance
 - Posture