● Cerebral Cortex
  ○ Outer Grey structure that is wrinkled in order to create more surface area for 20 billion+ neurons
  ○ Organized into four lobes in two hemispheres
● Temporal Lobe
  ○ Hearing
● Occipital Lobe
  ○ Sight
● Frontal Lobe
  ○ Decision Making
● Parietal Lobe
  ○ Sensory Cortex
● Phantom Pain
● Sensory Functions of the Cortex
  ○ The sensory Strip deals with information from touch stimuli.
  ○ The occipital lobe deals with visual information
● Plasticity: The brain is adaptable
  ○ If the brain is damaged especially in the primary association areas of the cortex:
    ■ The brain does not repair damaged neurons but it can restore some functions.
    ■ It can form new connections, reorganize brain areas to new functions.
● Separating the Hemispheres
  ○ Each hemisphere controls the opposite side of the body and is aware of the visual field on the opposite side.
  ○ Without the corpus callosum halves of the brain and vision do not work together.
  ○ Only the left part of the brain has enough verbal ability to express thoughts out loud.