- Midbrain: the segment of the brainstem that lies between the hindbrain and the forebrain
  - Integrates sensory processes such as hearing and vision
- Forebrain
  - Thalamus: relaying center for the cortex; handles incoming and outgoing signals
  - Hypothalamus: responsible for regulating basic biological needs: hunger, thirst, temperature control
  - Limbic System: loosely connected network of structures located roughly along the border between the cerebral cortex and deeper subcortical areas
  - Cerebrum: responsible for sensing, thinking, learning, emotion, consciousness, and voluntary movement
- F-TOP
  - Frontal
  - Temporal
  - Occipital
  - Parietal