NERVOUS SYSTEM
(two basic divisions)

Central Nervous System (CNS)

- Brain
  - Prosencephalon or Forebrain
  - Mesencephalon or Midbrain
  - Rhombencephalon or Hindbrain
    - Tectum
    - Tegmentum
    - Inferior Colliculi
    - Superior Colliculi

- Spinal Cord
  - Ascending Sensory
  - Descending Motor
  - Transverse Integration

Peripheral Nervous System (PNS)

- Somatic Division (striated/voluntary muscle activity)
  - Cranial Nerves
  - Spinal Nerves

- Autonomic Division (innervates smooth muscle, cardiac muscle, and glands: basically involuntary)
  - Sympathetic, or Thoracolumbar System (mobilizes resources to deal with stress: catabolic activities)
  - Parasympathetic, or Craniosacral System (conserves and restores resources: anabolic activities)

- Metencephalon
  - Cerebellum
  - Pons

- Myelencephalon
  - Medulla

Reticular formation begins at the level of the medulla and runs up through the brain stem to the level of the thalamus.

Dr. J.E. Gould, 1993