

**TABLE A**  
**Basic Parts List for Adult Nervous System in Vertebrates**  
**(topographic divisions)**

Topographic divisions are gross anatomical (macroscopic) parts that are created conceptually by cutting with a knife, for example, the distinction between *brain* (Smith Papyrus, c1700 DC) and *spinal cord* (Galen, c162-c166), or between *central nervous system* (Carus, 1814) and *peripheral nervous system* (Meckel, 1817); see Swanson & Bota (2010). This Table A is abstracted from Appendix 1 in Swanson (2014), a basic parts list for the adult nervous system in all animals, including invertebrates and vertebrates.

- Nervous system [vertebrate] (Monro, 1783)
  - Central nervous system (Carus, 1814) or Cerebrospinal axis (Meckel, 1817)
    - Brain (Smith Papyrus, c1700 BC)
      - Forebrain (Goette, 1873)
        - Endbrain (Kuhlenbeck, 1927) or Cerebrum (Obersteiner & Hill, 1900)
          - Cerebral nuclei (Swanson, 2000a)
          - Cerebral cortex (2000a)
        - Interbrain (Baer, 1837)
          - Hypothalamus (Kuhlenbeck, 1927)
          - Thalamus (His, 1893b)
      - Midbrain (Baer, 1837)
        - Tegmentum (Swanson, 2000b)
        - Tectum (Baer, 1837)
      - Rhombicbrain (His, 1893b)
        - Hindbrain (Baer, 1837)
          - Pons (Haller, 1747)
          - Cerebellum (Aristotle)
        - Afterbrain (Baer, 1837) or Medulla (Winslow, 1733)
    - Spinal cord (Galen, c162-c166)
      - Spinal cord parts (Swanson, 2014)
        - Cervical part of spinal cord (>1840)
        - Thoracic part of spinal cord (>1840)
        - Lumbar part of spinal cord (>1840)
        - Sacral part of spinal cord (>1840)
        - Coccygeal part of spinal cord (>1840)
      - Spinal cord differentiations (Swanson, 2014)
        - Cervical enlargement (Arnold, 1838b)
        - Lumbosacral enlargement (>1840)
        - Medullary cone (Bock, 1827)
        - Terminal cone (Tiedemann, 1821)
  - Peripheral nervous system (Meckel, 1817)
    - Nerves (Herophilus, c335-c280 BC)
      - Craniospinal nerves (Herrick, 1915)

- Cranial nerves (Soemmerring, 1791)
- Spinal nerves (Camper, 1760-1762)
  - Spinal nerve roots (Tiedemann, 1816)
  - Spinal nerve trunk (Frotscher, 1788)
  - Spinal nerve primary branches (>1840)
- Autonomic nerves (Langley, 1898)
  - Communicating branches of spinal nerves (Wutzer, 1817)
  - Peripheral nerve cord trunk (Swanson & Bota, 2010)
    - Sympathetic trunk (Winslow, 1733)
  - Paravertebral nerves (Swanson & Bota, 2010)
  - Prevertebral plexuses (Quain, 1837)
  - Prevertebral nerves (Swanson & Bota, 2010)
  - Terminal plexuses (Swanson & Bota, 2010)
  - Terminal autonomic nerves (Swanson & Bota, 2010)
- Ganglia (Galen, c173)
  - Craniospinal ganglia (>1840)
    - Cranial nerve ganglia (>1840)
    - Spinal nerve ganglia (Burdach, 1819)
  - Autonomic ganglia (Langley, 1900)
    - Paravertebral ganglia (Durward, 1951)
    - Prevertebral ganglia (Quain, 1837)
    - Terminal ganglia (Gaskell, 1886)