

3Science 6 Unit Test Outline Solutions

Central Nervous System

Know the 3 names for the parts of the nervous system and their basic function.

- 1) Brain → is the Control center
- 2) Spinal Cord → carries messages between the brain and the rest of your body. Helps you move and feel things.
- 3) Nerves → Are basic unit of structure and it sends messages from the brain to other parts of the body.

3 MAIN Parts of the brain and brief function detail (Controls or regulates)

- 1) Brain Stem: lowest section of the brain that connects to the spinal cord
Controls breathing, heart rate, BP, audio-visuals reflexed, taste digestion.
- 2) Cerebellum: at the back of the brain stem and regulates or generates muscle tone, balance & Posture
- 3) Cerebrum: the largest part of the brain; divided into 4 lobes: frontal, temporal, parietal, occipital

What are the 4 lobes and their function? (What are they responsible for)

- 1) Frontal → Emotional center responsible for decisions & Personality
- 2) Parietal → Sensory information, special relations (Damage can causes problems with speech/language)
- 3) Temporal → interpreting sound and language we hear
- 4) Occipital → responsible for visual

Know that the peripheral nervous system has nerves extending from the brain to the nervous system carries impulses (Hint: Another name for messages).

Know the definitions of: (Matching or fill in the blank)

Sensory Neurons → connect the sense organs to the central nervous system.

Motor Neurons → carry messages from the central nervous system to muscles/glands throughout the body.

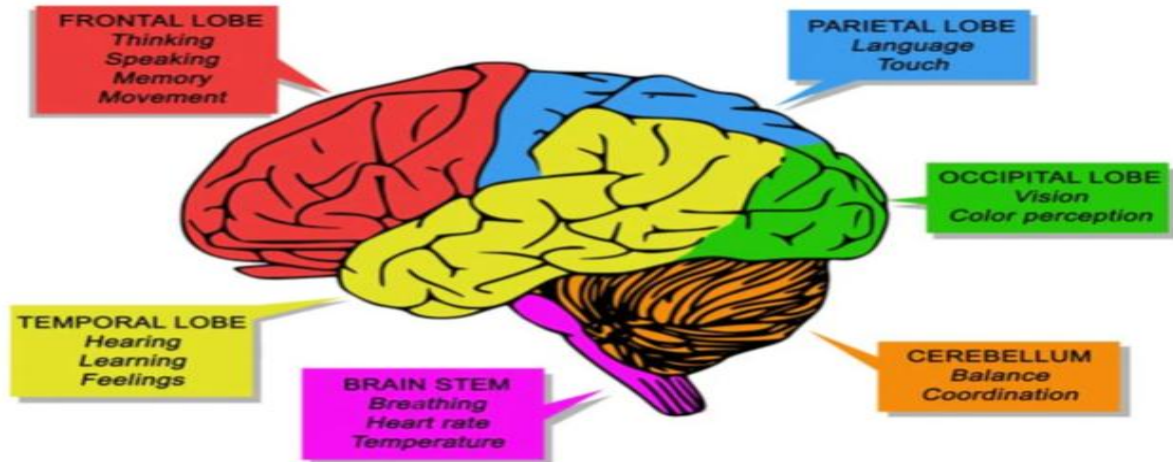
Cell Body → has tiny tube like branched called dendrites.

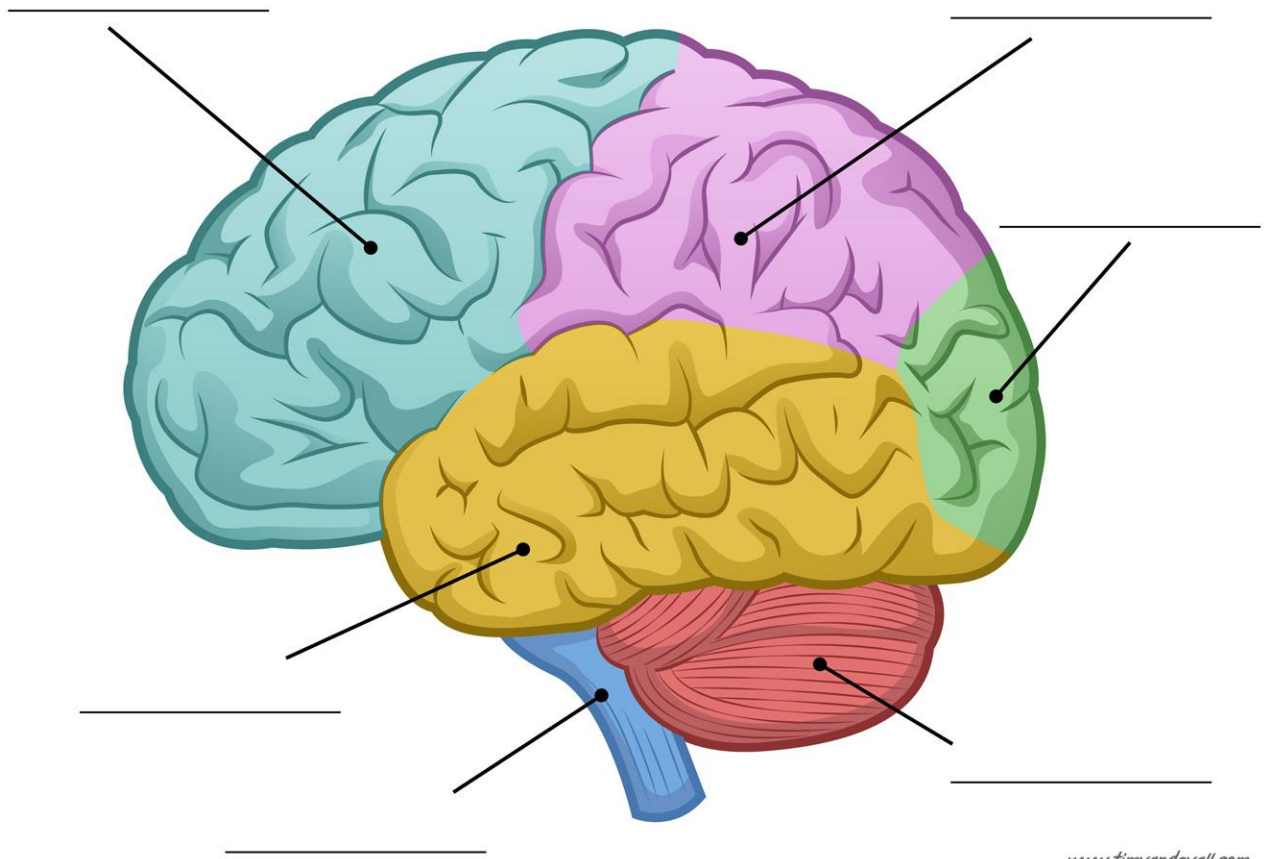
Dendrites → Part of the neuron that receives messages from the environment.

Axon → a tube-like extension of the cell body.

Brain Stem → connects to the spinal cord.

Part 3: Label The Brain (Word bank given)





www.timvandevall.com
Copyright © Dutch Renaissance Press LLC

Word Bank

Brain Stem

Frontal Lobe

Occipital Lobe

Parietal Lobe

Temporal Lobe

Cerebellum