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| **Terms** | **Definitions** | **Application** | **Or Picture** |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifStimulus | http://b.quizlet.com/a/i/spacer.Thhr.gifA reaction provoker | Reflex | Response |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifReceptors | http://b.quizlet.com/a/i/spacer.Thhr.gifStimulus-sensitive cells | Eye receptors | Ear receptors |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifCentral nervous system (CNS) | http://b.quizlet.com/a/i/spacer.Thhr.gifNervous system containing brain and spinal cord | Two main structures | First part of nervous system |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifPeripheral nervous system | http://b.quizlet.com/a/i/spacer.Thhr.gifNervous system controlling everything outside brain and spinal cord | The rest of the nervous system | Second part of nervous system |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifSomatic division | http://b.quizlet.com/a/i/spacer.Thhr.gifPart of PNS controls voluntary movement | Muscle movement | First part of PNS |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifNeurons | http://b.quizlet.com/a/i/spacer.Thhr.gifCells of nervous system | Communicator | Nervous system |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifSensory (afferent) neurons | http://b.quizlet.com/a/i/spacer.Thhr.gifTakes info from receptors to brain/spinal cord | Transporter | Message carrier |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifMotor (efferent) neurons | http://b.quizlet.com/a/i/spacer.Thhr.gifTakes info from brain/spinal cord to muscles | Deliverer | Package |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifAutonomic nervous system | http://b.quizlet.com/a/i/spacer.Thhr.gifPart of PNS controls involuntary internal actions | Internal organs | Second part of PNS |
| 1. Sympathetic nervous system | http://b.quizlet.com/a/i/spacer.Thhr.gifPart of ANS responsible for stressful situations | Fight or flight reponse | Alert center |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifParasympathetic nervous system | http://b.quizlet.com/a/i/spacer.Thhr.gifPart of ANS responsible for calming the body down | Paramedics | Stress-reliever |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifReflex | http://b.quizlet.com/a/i/spacer.Thhr.gifAutomatic response without communication with brain | Instinctive action | Automatic response |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifLower level structures | http://b.quizlet.com/a/i/spacer.Thhr.gifIncludes the medulla, pons, and cerebellum | The “hindbrain” | Back end of the brain |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifPons | http://b.quizlet.com/a/i/spacer.Thhr.gifImportant for sleep and arousal | Relaxing pond | Calm |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifMedulla | http://b.quizlet.com/a/i/spacer.Thhr.gifResponsible for breathing, swallowing, and blood circulation |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifReticular formation | Nerve fibers responsible for arousal |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifCerebellum | http://b.quizlet.com/a/i/spacer.Thhr.gifCoordinates voluntary muscle movements |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifCorpus callosum | http://b.quizlet.com/a/i/spacer.Thhr.gifNeural fibers connects the cerebral hemispheres | **C**orpus **C**allosum is a **C**onnector | Left-right interaction |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifLimbic system | http://b.quizlet.com/a/i/spacer.Thhr.gifStructures under cortex responsible for emotion and learning |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifThalamus | http://b.quizlet.com/a/i/spacer.Thhr.gifSends sensory information to cortex | Switch-board | Distributor |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifEEG (electroencephalograph) | http://b.quizlet.com/a/i/spacer.Thhr.gifRecords electric activity in brain | Epilepsy | Seizures |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifPET scan (positron emission tomography) | http://b.quizlet.com/a/i/spacer.Thhr.gifMonitors metabolic activity in brain | Tracer | Radioactive sugar |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifCT scan (computerized tomography) | http://b.quizlet.com/a/i/spacer.Thhr.gifProduces many X-rays which are then interpreted by a computer |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifMRI (magnetic resonance imaging) | http://b.quizlet.com/a/i/spacer.Thhr.gifUses radio waves and magnetic field for detailed imaging |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifDendrites | http://b.quizlet.com/a/i/spacer.Thhr.gifPart of a neuron that receives information | Receiver | Satellite dish |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifFMRI | http://b.quizlet.com/a/i/spacer.Thhr.gifType of MRI allows structural and functional imaging | Detailed MRI | Live imaging |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifSoma | http://b.quizlet.com/a/i/spacer.Thhr.gifCell body of a neuron |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifAxon | http://b.quizlet.com/a/i/spacer.Thhr.gifPart of a neuron sends info to neurons and muscles/glands | Neuron Postal Service | Neuron communicator |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifMyelin sheath | http://b.quizlet.com/a/i/spacer.Thhr.gifFatty protein covers some axons and speeds up transmission | Protective case | Transmission booster |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifTerminal buttons | http://b.quizlet.com/a/i/spacer.Thhr.gifPart of axon where neurotransmitters are stored | Storage site | Container |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifMultiple sclerosis | http://b.quizlet.com/a/i/spacer.Thhr.gifDisease because of deterioration of myelin in the CNS |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifNeurotransmitters | http://b.quizlet.com/a/i/spacer.Thhr.gifChemical substances send info to neurons |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifSynapse | http://b.quizlet.com/a/i/spacer.Thhr.gifNeuron interaction site |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifReuptake | http://b.quizlet.com/a/i/spacer.Thhr.gifNeurotransmitters are taken back into the terminal buttons | Suction | Vaccuum |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifSynaptic vesicles | http://b.quizlet.com/a/i/spacer.Thhr.gifSacs in terminal buttons contain a neurotransmitter | Locker | Storage cell |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifAgonist | http://b.quizlet.com/a/i/spacer.Thhr.gifEnhances operation of neurotransmitter | Power boost | Modifier |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifAntagonist | http://b.quizlet.com/a/i/spacer.Thhr.gifBlocks the operation of neurotransmitter | Road block | Bad guy |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifEndorphins | http://b.quizlet.com/a/i/spacer.Thhr.gifNeurotransmitter aids in pain relief | Runner’s high | Pain |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifResting potential | http://b.quizlet.com/a/i/spacer.Thhr.gifNegative electrical charge neuron is not firing | Relaxing | Not working |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifAction potential | http://b.quizlet.com/a/i/spacer.Thhr.gifElectrical charge travels down the axon | Depolarization | Working |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifThreshold | http://b.quizlet.com/a/i/spacer.Thhr.gifLevel of stimulation to start neural impulse | Capacity | Withstanding |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifRefractory period | http://b.quizlet.com/a/i/spacer.Thhr.gifNeuron needs to repolarize before firing again | Boot up | Recover |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifAphasia | http://b.quizlet.com/a/i/spacer.Thhr.gifLoss of ability to speak or understand written or spoken language | Wernicke’s aphasia | Bronca’s aphasia |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifEndocrine system | http://b.quizlet.com/a/i/spacer.Thhr.gifSystem of glands that produce and secrete hormones | Pituitary gland | Thyroid gland |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifHormones | http://b.quizlet.com/a/i/spacer.Thhr.gifChemicals produced by glands and taken to other organs | Carried by bloodstream | Growth hormone |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifPituitary gland | http://b.quizlet.com/a/i/spacer.Thhr.gifMaster gland. Controls other glands | Growth hormone | Controller |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifBiological psychology | http://b.quizlet.com/a/i/spacer.Thhr.gifBranch of psychology deals with biology and behavior | Mind-body phenomenon | Behavior |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifAcetylcholine | http://b.quizlet.com/a/i/spacer.Thhr.gifNeurotransmitter for muscle movement, learning, and memory | Lack of this results in Alzheimer’s disease | Muscle movement |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifDopamine | http://b.quizlet.com/a/i/spacer.Thhr.gifNeurotransmitter for movement, learning, and attention | Over activity linked with schizophrenia | Undersupply linked to Parkinson’s disease |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifSerotonin | http://b.quizlet.com/a/i/spacer.Thhr.gifNeurotransmitter involved in mood, sleep, and appetite | Undersupply linked with depression | Released with exercise |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifNorepinephrine | http://b.quizlet.com/a/i/spacer.Thhr.gifA neurotransmitter that controls alertness and arousal | Unddersupply depress mood | Selective attention |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifGABA | http://b.quizlet.com/a/i/spacer.Thhr.gifA major inhibitory neurotransmitter | Inhibits movement | Involved with sleep |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifGlutamate | http://b.quizlet.com/a/i/spacer.Thhr.gifA major excitatory neurotransmitter | Oversupply can result in migraines | Oversupply result in seizures |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifNerves | http://b.quizlet.com/a/i/spacer.Thhr.gifNeural "cables" containing many axons | Feeling | Pain |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifInterneurons | http://b.quizlet.com/a/i/spacer.Thhr.gifNeurons that communicate with sensory and motor outputs | Most commonly found in brain | Head of neurons |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gif Lesion | http://b.quizlet.com/a/i/spacer.Thhr.gifBrain destruction | Deep lesioning | Abnormality |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gif Hippocampus | http://b.quizlet.com/a/i/spacer.Thhr.gifLimbic system structure responsible for memory | Memory | Hippo on Campus |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifHypothalamus | http://b.quizlet.com/a/i/spacer.Thhr.gifLimbic system structure responsible for maintenance activities | Body temperature | Hypo the Llamas |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifPaul Boca | http://b.quizlet.com/a/i/spacer.Thhr.gifDiscovered area on left frontal lobe responsible for spoken language |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifCarl Wernicke | http://b.quizlet.com/a/i/spacer.Thhr.gifDiscovered a brain area responsible for language comprehension | Wernicke’s area | Wernicke’s aphasia |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifDepolarization | http://b.quizlet.com/a/i/spacer.Thhr.gifDuring action potential, neuron briefly becomes positive | Water molecule | Positive negative charges |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifAll-or-none principle | http://b.quizlet.com/a/i/spacer.Thhr.gifNeuron will only fire when threshold is reached | No more no less | Go or no go |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifAmygdale | http://b.quizlet.com/a/i/spacer.Thhr.gifResponsible for fear memories and aggression | Fear | Russian MiG triggers fear |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifCerebral cortex | http://b.quizlet.com/a/i/spacer.Thhr.gifWrinkly structure responsible for higher mental processing |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifPhineas Gage | http://b.quizlet.com/a/i/spacer.Thhr.gifCase study in which frontal lobes were severely damaged | No emotional control | Quick emotional changes |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifMotor cortex | http://b.quizlet.com/a/i/spacer.Thhr.gifResponsible for voluntary movement on opposite side of body |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifSensory cortex | http://b.quizlet.com/a/i/spacer.Thhr.gifProcesses sensory information from opposite side of body |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifAngular gyros | http://b.quizlet.com/a/i/spacer.Thhr.gifTransfers written language into auditory info |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifOccipital lobe | http://b.quizlet.com/a/i/spacer.Thhr.gifContains visual cortex for sight | Eyes | Back of the brain |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifTemporal lobe | http://b.quizlet.com/a/i/spacer.Thhr.gifContains auditory cortex for hearing | Ears | Near temples |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifRoger Sperry & Michael Gazzaniga | http://b.quizlet.com/a/i/spacer.Thhr.gifStudied split brain patients | No corpus callosum | Left not connected to right |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gif Phrenology | http://b.quizlet.com/a/i/spacer.Thhr.gifStudy of the shape and size of the brain |  | |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifFranz Gall | http://b.quizlet.com/a/i/spacer.Thhr.gifDeveloped phrenology | Brain structures | Brain size |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifGray matter | http://b.quizlet.com/a/i/spacer.Thhr.gifOuter layer of cortex | “Skin” | Cover |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifWhite matter | http://b.quizlet.com/a/i/spacer.Thhr.gifInner layer of the cortex | “Flesh” | Inside |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifBroca’s area | http://b.quizlet.com/a/i/spacer.Thhr.gifInvolved with muscle movements for speech | Left frontal lobe | Speech |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifWernicke's area | http://b.quizlet.com/a/i/spacer.Thhr.gifBrain area involved in language comprehension | Left temporal lobe | Comprehension |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifAssociation areas | http://b.quizlet.com/a/i/spacer.Thhr.gifAreas of the cerebral cortex involved in higher mental processes | Bronca’s area | Wernicke’s area |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifNeuroplasticity | http://b.quizlet.com/a/i/spacer.Thhr.gifAbility for brain to reorganize in response to injury | Adaptation | Rebuild |
| 1. http://b.quizlet.com/a/i/spacer.Thhr.gifTraumatic Brain Injury (TBI) | http://b.quizlet.com/a/i/spacer.Thhr.gifSerious head injury that damages brain | Concussion | Brain damage |

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