**Unit Two Study Guide**

**Word Description Application Associations**

|  |  |  |  |
| --- | --- | --- | --- |
| Neuroanatomy |  |  |  |
| Neuron |  |  |  |
| Dendrite |  |  |  |
| Cell body/soma |  |  |  |
| Axon |  |  |  |
| Myelin sheath |  |  |  |
| Terminal branches/buttons/synaptic knobs/axon terminal |  |  |  |
| Neurotransmitters |  |  |  |
| Synapse |  |  |  |
| Receptor sites |  |  |  |
| Threshold |  |  |  |
| Action potential |  |  |  |
| All-or-nothing principle |  |  |  |
| Neural firing |  |  |  |
| Excitatory neurotransmitters |  |  |  |
| Inhibitory neurotransmitters |  |  |  |
| Acetylcholine |  |  |  |
| Dopamine |  |  |  |
| Endorphins |  |  |  |
| Serotonin |  |  |  |
| GABA |  |  |  |
| Glutamate |  |  |  |
| Norepinephrine |  |  |  |
| Afferent/sensory neurons |  |  |  |
| Efferent/motor neurons |  |  |  |
| Central nervous system |  |  |  |
| Spinal cord |  |  |  |
| Peripheral nervous system |  |  |  |
| Somatic nervous system |  |  |  |
| Autonomic nervous system |  |  |  |
| Sympathetic nervous system |  |  |  |
| Parasympathetic nervous system |  |  |  |
| Lesions |  |  |  |
| EEG |  |  |  |
| CAT scan |  |  |  |
| MRI scan |  |  |  |
| PET scan |  |  |  |
| fMRI |  |  |  |
| hindbrain |  |  |  |
| medulla |  |  |  |
| pons |  |  |  |
| cerebellum |  |  |  |
| midbrain |  |  |  |
| reticular formation |  |  |  |
| forebrain |  |  |  |
| thalamus |  |  |  |
| hypothalamus |  |  |  |
| amygdala |  |  |  |
| hippocampus |  |  |  |
| limbic system |  |  |  |
| cerebral cortex |  |  |  |
| left hemisphere |  |  |  |
| right hemisphere |  |  |  |
| brain lateralization |  |  |  |
| corpus callosum |  |  |  |
| association area |  |  |  |
| frontal lobes |  |  |  |
| Broca’s area |  |  |  |
| Wernicke’s area |  |  |  |
| Motor cortex |  |  |  |
| Parietal lobes |  |  |  |
| Sensory cortex |  |  |  |
| Occipital lobes |  |  |  |
| Temporal lobes |  |  |  |
| Brain plasticity |  |  |  |
| Endocrine system |  |  |  |
| Adrenal glands |  |  |  |
| Monozygotic twins |  |  |  |
| Transduction |  |  |  |
| Sensory adaptation |  |  |  |
| Sensory habituation/perceptual adaptation |  |  |  |
| Cocktail-party phenomenon |  |  |  |
| Sensation |  |  |  |
| Perception |  |  |  |
| Energy senses |  |  |  |
| Chemical senses |  |  |  |
| Vision |  |  |  |
| Cornea |  |  |  |
| Pupil |  |  |  |
| Lens |  |  |  |
| Retina |  |  |  |
| Feature detectors |  |  |  |
| Optic nerve |  |  |  |
| Occipital nerve |  |  |  |
| Visible light |  |  |  |
| Rods and cones |  |  |  |
| Fovea |  |  |  |
| Blind spot |  |  |  |
| Trichromatic theory |  |  |  |
| Color blindness |  |  |  |
| Afterimages |  |  |  |
| Opponent-process theory |  |  |  |
| Hearing |  |  |  |
| Sound waves |  |  |  |
| Amplitude |  |  |  |
| Frequency |  |  |  |
| Cochlea |  |  |  |
| Pitch theories |  |  |  |
| Place theory |  |  |  |
| Frequency theory |  |  |  |
| Conduction deafness |  |  |  |
| Nerve deafness |  |  |  |
| Touch |  |  |  |
| Gate-control theory |  |  |  |
| Taste/gustation |  |  |  |
| Smell/olfaction |  |  |  |
| Vestibular sense |  |  |  |
| Kinesthetic sense |  |  |  |
| Absolute threshold |  |  |  |
| Subliminal messages |  |  |  |
| Difference threshold |  |  |  |
| Weber’s law |  |  |  |
| Signal detection theory |  |  |  |
| Top-down processing |  |  |  |
| Perceptual set |  |  |  |
| Bottom-up processing |  |  |  |
| Gestalt rules |  |  |  |
| Proximity |  |  |  |
| Similarity |  |  |  |
| Continuity |  |  |  |
| Closure |  |  |  |
| Constancy |  |  |  |
| Size constancy |  |  |  |
| Shape constancy |  |  |  |
| Brightness constancy |  |  |  |
| Depth cues |  |  |  |
|  |  |  |  |

Names To Know:

David Hubel Ernst Weber

Torsten Wiesel Gustav Fechner

Eleanor Gibson Roger Sperry

Paul Broca Thomas Bouchard

Michael Gazzaniga Carl Wernicke