

## Study Guide for Midterm Lab Exam

### Identify the following:

White matter and gray matter of spinal cord, Central Canal of Spinal Cord, Anterior Median Fissure, Posterior Gray Horn, Lateral White Column, Gray Commissure, Dorsal Root Ganglion, Dorsal and ventral nerve roots, Peripheral spinal nerves

Axon, Dendrite, Neuron, Schwann cell, myelin, neurilemma, axon terminal.

Spinal cord; Cervical Plexus, Brachiocephalic Plexus, Lumbosacral Plexus, Sciatic nerve, Radial nerve, Median nerve, Ulnar nerve.

Gray matter and white matter, Cortex and medulla, Corpus Callosum, Fornix, Sulcus, Trigeminal nerve, Optic nerve, Olfactory nerve, Abducens nerve, Optic chiasma, Olfactory bulb, Trochlear nerve, Facial nerve, Vestibulocochlear nerve, Glossopharyngeal nerve, Vagus nerve, Accessory nerve, Oculomotor nerve, Hypoglossal nerve,

Dura matter, Pituitary gland, Mammillary body, Septum pellucidum, Lateral ventricle, Third ventricle, Cerebral Aqueduct, Fourth ventricle, Choroid plexus, Pineal gland, Cerebellum, Arbor vitae

Frontal, parietal, occipital lobes, and insula.

Diencephalon: Thalamus, Hypothalamus; Brainstem: Midbrain, Pons, Medulla Oblongata

Epidermis, Sudoriferous gland, Paccinian Corpuscle, Meissener Corpuscle.

**Ear:** Tympanic membrane, Pinna, Ossicles, Semicircular canals, Cochlea, Organ of Corti/hair cells, Eustachian (Auditory) tube, External auditory meatus, Ampulae, Vestibule, Incus (Anvil), Malleus, Stapes.

**Eye:** Cornea, Sclera, Nictitating membrane, Iris, Pupil, Tapetum lucidum, Retina, Optic disk, Lens, Ciliary body, Lacrimal sac, Ora serrata, Fovea Centralis, Optic nerve.

**Digestive system:** Esophagus, Omasum, Abomasum, Reticulum, Rumen, Fundus, body, pyloric region, Pyloric sphincter, Ruggae, Cardia, Spiral Colon, Duodenum/jejunum, Cecum, Ascending and descending colon, Pancreas, Spleen, Greater Omentum, Mesentery, Gall bladder, Quadrate and caudate lobes of liver, Appendix. Common Bile Duct.

Locate in the dogfish: Liver, Pancreas, Stomach, Mesentery, Intestine.

Locate crop, gizzard and cloaca on bird specimen

**Respiratory system:** Trachea, tracheal rings, Mediastinum, Main bronchi, secondary and third bronchi, Diaphragm, Thyroid Cartilage, Larynx, Pharynx. Right, medial, and caudal lobes of lung on each side, Accessory lobe of lung, Serosal and parietal pleura, Vocal cords, Epiglottis.

Identify in the pigeon: Lungs, Air sacs