

Dog Anatomy Veterinary Physiology Workbook For Vet Nurses And Students 11.70

This comprehensive dog anatomy veterinary physiology workbook provides essential knowledge for veterinary nurses and students. With 11.70 detailed illustrations, this workbook covers all aspects of canine anatomy and physiology, from the skeletal system to the reproductive system.



Veterinary Anatomy Colouring Book : Dog Anatomy & Veterinary Physiology Workbook I For Vet Nurses And Students I 8.5" x 11" I 70 Pages by Amine Noum Library

★★★★☆ 4.7 out of 5

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The workbook is divided into 12 chapters, each of which covers a different aspect of dog anatomy and physiology. The chapters are:

- Skeletal System
- Muscular System

- Digestive System
- Respiratory System
- Circulatory System
- Nervous System
- Endocrine System
- Reproductive System
- Urinary System
- Integumentary System
- Sensory Organs
- Behavior

Each chapter includes a detailed overview of the anatomy and physiology of the system, as well as a number of practice questions to help you test your understanding. The workbook also includes a glossary of terms and a list of references.

This workbook is an essential resource for veterinary nurses and students who want to learn more about the anatomy and physiology of dogs. It is also a valuable reference for veterinarians who want to brush up on their knowledge of canine anatomy and physiology.

Skeletal System

The skeletal system is the framework of the body. It supports the body, protects the organs, and allows for movement. The skeletal system of a

dog is made up of 300 bones. The bones are connected to each other by joints.

The skeletal system can be divided into two main parts: the axial skeleton and the appendicular skeleton. The axial skeleton consists of the skull, the vertebral column, and the rib cage. The appendicular skeleton consists of the limbs and the girdles that connect the limbs to the axial skeleton.

The skull is made up of 26 bones. The skull protects the brain and the sense organs. The vertebral column is made up of 33 vertebrae. The vertebrae protect the spinal cord. The rib cage is made up of 13 pairs of ribs. The rib cage protects the heart and the lungs.

The limbs are made up of the forelimbs and the hindlimbs. The forelimbs are made up of the shoulder, the upper arm, the forearm, and the paw. The hindlimbs are made up of the hip, the thigh, the leg, and the paw.

The girdles are made up of the pectoral girdle and the pelvic girdle. The pectoral girdle connects the forelimbs to the axial skeleton. The pelvic girdle connects the hindlimbs to the axial skeleton.

Muscular System

The muscular system is made up of the muscles of the body. Muscles allow for movement. There are three types of muscles in the body: skeletal muscles, smooth muscles, and cardiac muscles.

Skeletal muscles are attached to the bones. They are responsible for voluntary movement, such as walking, running, and jumping. Smooth muscles are found in the walls of organs, such as the stomach and the

intestines. They are responsible for involuntary movement, such as digestion and breathing. Cardiac muscles are found in the heart. They are responsible for the pumping action of the heart.

The muscular system of a dog is made up of over 400 muscles. The muscles are grouped into different muscle groups. The major muscle groups are:

- Head and neck muscles
- Thoracic muscles
- Abdominal muscles
- Pelvic muscles
- Forelimb muscles
- Hindlimb muscles

Digestive System

The digestive system is responsible for the digestion of food. The digestive system of a dog is made up of the mouth, the esophagus, the stomach, the small intestine, the large intestine, and the rectum.

The mouth is the first part of the digestive system. The mouth contains the teeth, which break down food into smaller pieces. The mouth also contains the tongue, which helps to move food around the mouth. The saliva produced by the salivary glands helps to moisten food and make it easier to swallow.

The esophagus is a muscular tube that connects the mouth to the stomach. The esophagus propels food down into the stomach by means of peristalsis.

The stomach is a J-shaped organ that secretes gastric juices. Gastric juices help to break down food into smaller pieces. The stomach also churns food, which helps to mix it with gastric juices.

The small intestine is a long, coiled tube that is responsible for the absorption of nutrients. The small intestine is lined with villi, which are small, finger-like projections that increase the surface area for absorption. The small intestine also secretes enzymes that help to break down food into smaller molecules.

The large intestine is responsible for the absorption of water and electrolytes. The large intestine is also responsible for the formation of feces. Feces are stored in the rectum until they are excreted.

Respiratory System

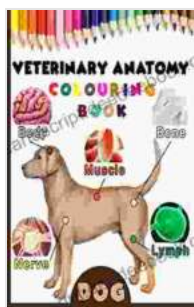
The respiratory system is responsible for the exchange of gases between the body and the environment. The respiratory system of a dog is made up of the nose, the pharynx, the larynx, the trachea, the bronchi, and the lungs.

The nose is the first part of the respiratory system. The nose is lined with mucous membranes that help to trap dust and other particles from entering the lungs. The nose also contains the olfactory receptors, which are responsible for the sense of smell.

The pharynx is a muscular tube that connects the nose to the larynx. The pharynx helps to move air into and out of the lungs.

The larynx is a cartilaginous structure that contains the vocal cords. The vocal cords vibrate when air passes through them, which produces sound.

The trachea is a long, thin tube that connects the larynx to the



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