

An Atlas Of Comparative Vertebrate Histology

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Explore the intricate world of vertebrate histology with this comprehensive atlas. It offers a detailed comparative look at various animal tissues and cellular structures, serving as an essential guide for students and researchers in biology and veterinary science.

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Comparative Anatomy (Vertebrae, Ribs and Sternum) - Comparative Anatomy (Vertebrae, Ribs and Sternum) by Pinoy Vet Anatomist 13,091 views 3 years ago 10 minutes, 17 seconds - ... each animal being studied now let us try to identify the species differences per specific vertebra let us begin with **the atlas**, one of ...

Comparative anatomy of the atlas / C1 - Comparative anatomy of the atlas / C1 by Veterinary Anatomy 33,650 views 3 years ago 17 minutes - The first cervical vertebra is known as **the atlas**, , and is modified to allow movement of the head. **The atlas**, has no conventional ...

Intro

The atlas

Dorsal view

Cranial view

Cowden view

Doors view

Vertebral foramen

Doors and arch

Ox

Dog

Cat

Wings

Ventral arch

Introduction to Histology - Introduction to Histology by The Noted Anatomist 723,763 views 1 year ago 37 minutes - This video tutorial discusses an Introduction to **Histology**, (study of tissues): 0:00 .

Intro 0:35. Hierarchical organization of living ...

Intro

Hierarchical organization of living matter

H&E stains

Epithelium overview (characteristics and classifying scheme)

Simple squamous epithelium

Simple cuboidal epithelium

Simple columnar epithelium

Stratified squamous epithelium

Urinary epithelium (transitional epithelium)

Pseudo-stratified ciliated columnar epithelium (respiratory epithelium)

Connective tissue overview (characteristics and classifying scheme)

Cartilage (hyaline cartilage, elastic cartilage, fibrocartilage)

Bone (osteoblasts, osteocytes, osteoclasts, calcium ...)

Blood (RBC, WBC, platelet, plasma)

Muscle tissue (skeletal muscle, cardiac muscle, smooth muscle)

Nervous tissue (neurons and glial cells)

In-a-Nutshell

Acknowledgements

Comparative anatomy of the cervical vertebrae 3 - 7 - Comparative anatomy of the cervical vertebrae 3 - 7 by Veterinary Anatomy 41,510 views 3 years ago 24 minutes - Cervical Vertebrae In this anatomy video we will talk about the anatomical features of the cervical vertebrae no. 3 to no. 7. We will ...

Intro

Cervical vertebra - horse

Vertebral body

Vertebral arch

Cranial extremity

Pediculus

Lamina arcus vertebrae (dorsal plate)

Vertebral canal

Cranial vertebral notch

Intervertebral foramen

Cranial articular process

Caudal articular process

Transverse process

Ventral crest

Spinous process

Transverse foramen

Ventral plate

Cervical vertebra no. 6

C6 - Camel

C6 - Horse

Cervical vertebra no. 7 - Horse

Cervical vertebra no. 7 - Camel

Cervical vertebra no. 7 - Ox

Cervical vertebra no. 7 - Dog

Identifying Layers and Shapes | Epithelium - Identifying Layers and Shapes | Epithelium by Anatomy Hero 17,027 views 6 months ago 5 minutes, 32 seconds - This is for students who need help picking out the layers and the shapes as seen in epithelium. Includes simple squamous, simple ...

The Evolution of Vertebrates - The Evolution of Vertebrates by Pim D 273,584 views 7 years ago 20 minutes - How **vertebrates**, first developed a backbone, conquered the seas and took their first steps on land.

Identifying Tissues | Review and Practice - Identifying Tissues | Review and Practice by Anatomy Hero 159,039 views 2 years ago 25 minutes - This video includes more than 40 practice identification question for the basic tissue types include: simple squamous epithelium, ...

Intro

Word Bank

For students at my school

Practice Question 1

Answer

Practice Question 2

Answer

Practice Question 3
Answer
Practice Question 4
Answer + Practice Question 5
Answer + Practice Question 6
Answer
Bonus Question
Practice Question 7
Answer
Practice Question 8
Answer
Practice Question 9
Answer
Practice Question 10
Practice Question 11
Answer2
Practice Question 12
Answer
Practice Question 13
Answer + Next Question 14
Answer
Practice Question 15
Answer
Practice Question 16
Answer
Practice Question 17
Answer
Practice Question 18
Answer
Practice Question 19
Answer
Practice Question 20
Answer
Practice Question 21
Answer
Practice Question 22
Answer
Practice Question 23
Answer
Practice Question 25
Answer
Practice Question 26
Answer
Practice Question 27
Answer
Practice Question 28
Answer
Practice Question 29
Answer
Practice Question 30
Answer
Practice Question 31
Answer
Quiet Practice (Final 10)
Answer
Practice Question 33
Answer
Practice Question 34

Answer

Practice Question 35

Answer

Practice Question 36

Answer

Practice Question 37

Answer

Practice Question 38

Answer

Practice Question 39

Answer

Practice Question 40

Answer

How our pelvis works #birthingtips #deliverytips #vbac #normaldelivery #baby #birth #birthing - How our pelvis works #birthingtips #deliverytips #vbac #normaldelivery #baby #birth #birthing by Learn My Lady 318,556 views 1 year ago 31 seconds – play Short - How our pelvis works #learnmylady #learning #doula #doulas #midwife #midwifery #midwiferyquestionforanm #midwiferyhour ...

Review and Quiz | Epithelium - Review and Quiz | Epithelium by Anatomy Hero 50,199 views 1 year ago 23 minutes - 00:00 - intro 00:37 - the six side-by-sides 04:25 - a word about transitional 05:30 - two side-by-side 06:34 - question 1 07:40 ...

intro

the six side-by-sides

a word about transitional

two side-by-side

question 1

question 2

question 3

question 4

question 5

question 6

question 7

question 8

question 9

question 10

question 11

question 12

question 13

question 14

question 15

question 16

question 17

a public service announcement

additional example of question 17

don't trust google

Identifying Epithelium | Review and Practice Questions - Identifying Epithelium | Review and Practice Questions by Anatomy Hero 464,934 views 2 years ago 13 minutes, 40 seconds - The first 6 minutes of this video gives some hints and strategies for how to quickly identify different epithelial tissues.

The rest of ...

Intro

Side by Side Comparisons

Guided Practice 1

Guided Practice 2

Guided Practice 3

Guided Practice 4

Guided Practice 5

Guided Practice 6

Independent Practice 1

Independent Practice 2

Independent Practice 3

Independent Practice 4

Independent Practice 5

Independent Practice 6

Independent Practice 7

Challenge Practice

Histology | Epithelium - Histology | Epithelium by Anatomy Hero 107,909 views 4 years ago 11 minutes, 59 seconds - An overview of epithelium, including example of six different kinds of epithelium: simple squamous, simple cuboidal, simple ...

Introduction

Simple Squamous

Simple Cuboidal

Simple Columnar

Stratified Squamous

Transitional Epithelium

Ciliated Pseudostratified Columnar Epithelium

The Heart and Circulatory System - How They Work - The Heart and Circulatory System - How They Work by Mayo Clinic 6,773,126 views 10 years ago 3 minutes, 1 second - This animation features the heart and circulatory system and how they work. For more information, visit: ...

The Heart

Diastole

Blood

Imperial College - Human Embryo Development - Imperial College - Human Embryo Development by Get Animated Medical 1,863,937 views 4 years ago 3 minutes, 35 seconds - Mixture of 3D animation and motion graphics to explain the early development of a human embryo.

Cardiac Cycle #youtubeshorts #shortsfeed #viralvideo #sciencefacts - Cardiac Cycle #youtubeshorts #shortsfeed #viralvideo #sciencefacts by DIGITAL WEBLLING 418,976 views 1 year ago 16 seconds – play Short

Karli Williams Presentation (Comparative Vertebrate Anatomy) - Karli Williams Presentation (Comparative Vertebrate Anatomy) by Karli Williams 14 views 2 years ago 14 minutes, 10 seconds - Cranial Kinesis and Feeding in Snakes.

Comparative Anatomy: What Makes Us Animals - Crash Course Biology #21 - Comparative Anatomy: What Makes Us Animals - Crash Course Biology #21 by CrashCourse 720,838 views 11 years ago 8 minutes, 51 seconds - Hank introduces us to **comparative**, anatomy, which studies the similarities and differences in animal anatomy to support the theory ...

1) Comparative Anatomy

2) Locomotion

3) Heterotrophy

4) Convergent Evolution

5) Biogeography

6) Tissues

a) Epithelial Tissue

b) Connective Tissue

c) Muscle Tissue

d) Nerve Tissue

7) Organs

8) Organ Systems

Comparative vertebrate Anatomy - Comparative vertebrate Anatomy by Case Wilson 42 views 2 years ago 11 minutes, 18 seconds - Hummingbirds Flight and Feeding.

Amia and fish external morphology and skull | Comparative Vertebrate Anatomy - Amia and fish external morphology and skull | Comparative Vertebrate Anatomy by Monique Yzaguirre 2,057 views 7 years ago 22 minutes

Comparative anatomy of the thoracic vertebrae - Comparative anatomy of the thoracic vertebrae by Veterinary Anatomy 25,391 views 3 years ago 18 minutes - Thoracic vertebrae articulate with the ribs. They are distinguished by short bodies with flattened extremities, costal facets, short ...

Intro

Thoracic vertebra of the horse

Dorsal arch

Vertebral foramen

Vertebral body

Ventral crest
Cranial costal facet/fovea
Caudal costal facet/fovea
Costal facet of the transverse process
Cranial articular process
Caudal articular process
Cranial vertebral notch
Spinous process - Ox
Spinous process - Camel
In some books they name this as
Anticlinal vertebra
SKELETON BONES SONG - LEARN IN 3 MINUTES!!! - SKELETON BONES SONG - LEARN IN 3 MINUTES!!! by Neural Academy 21,458,389 views 4 years ago 3 minutes, 24 seconds - HAPPY HALLOWEEN! Here's a song for you to memorize the bones in 3 minutes! The skeleton has 2-0-6 bones in an adult, ...
OSSICLES
VERTEBRAL COLUMN
HANDS
TARSALS
COMPARATIVE VERTEBRATE ANATOMY - COMPARATIVE VERTEBRATE ANATOMY by tmwilso2 821 views 14 years ago 7 minutes, 18 seconds - ZOO 3713C SPRING 2009 LAB TEST 3.
Intro
Male Cat
Heart
Arm
Carotid
Subclavian
Abdominal
COMPARATIVE VERTEBRATE ANATOMY - COMPARATIVE VERTEBRATE ANATOMY by tmwilso2 377 views 14 years ago 1 minute, 37 seconds - ZOO 3713C SPRING 2009 LAB TEST 3.
comparative anatomy of the axis / C2 - comparative anatomy of the axis / C2 by Veterinary Anatomy 20,598 views 3 years ago 15 minutes - The second cervical vertebra is known as the axis, and is modified to allow movement of the head. The axis is the longest vertebra ...
Second cervical vertebra / Axis - horse
Vertebral body
Spinous process
Caudal articular process
Ventral crest
Dens
Cranial articular process
Transverse process
Transverse foramen
Lateral vertebral foramen
Turtle Skull - comparative vertebrate anatomy - Turtle Skull - comparative vertebrate anatomy by DannyD 1,940 views 12 years ago 1 minute, 41 seconds - Snapping turtle (anapsid) skull and its anatomical features, per Kardong.
COMPARATIVE VERTEBRATE ANATOMY - COMPARATIVE VERTEBRATE ANATOMY by tmwilso2 279 views 14 years ago 4 minutes, 22 seconds - ZOO 3713C SPRING 2009 LAB TEST 3.
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