

Anatomy Exercises



Bird Bone Bird Search

Find the words below.

Words can be forward, up, down, and diagonal.



Skull Ulna Radius Humerus Coracoid Furcula
Pygostyle Femur Tibiotarsus Fibula



Anatomy

Exercises

(Circle the correct answers)

Which type of feathers are used as sensory organs, similar to how mammals use whiskers.

- a.) Semiplumes b.) Down Feathers
c.) Remiges d.) Bristles

What are the types of feathers found on the birds tail?

- a.) Remiges b.) Rectrices
c.) Contour d.) Natal

Which bone do the Secondary Remiges connect to?

- a.) Radius b.) Ulna
c.) Humerus d.) Metatarsals

Which of the following terms is used to refer to the flat surface on either side of the rachis, which is made up of numerous individual structures called barbs?

- a.) Contour b.) Shaft
c.) Vane d.) Barbules

What are the small hooks that hold adjacent barbs together called?

- a.) Vanes b.) Rachis
c.) Barbules d.) Plumes



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Exercises

Which chemical is the main component of feathers?

- a.) Collagen b.) Elastin
c.) Keratin d.) Melanin

What is a trigger that prompts birds to molt and migrate?

- a.) Changes in ocean currents b.) Amount of rainfall in the region
c.) Migration of predators in the area d.) Photoperiod

Number the growth process of a Feather 1-3 with 1 being the first and 3 being the last.

Barbule ____ Rachis ____ Barb ____

Which two bones connect distally to the humerus?

Unscramble the feathers below!

ntala _____

rmieseg _____

ecteriscr _____

rcotnuo _____

Feather Anatomy Bird Search

Find the words below.

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Contour Remiges Rectrices Semiplumes

Natal Powder Bristles Filoplumes Down

Vane Feather Rachis Calamus Barbs

Barbules Umbilicus

Anatomy

Exercises

Name 3 different types of feathers.

What does W.A.I.R. stand for?

Name one Physiological Adaptation for Temperature Regulation.

Name one Behavioral Adaptation for Temperature Regulation.

Name one Anatomical Adaptation for Temperature Regulation.

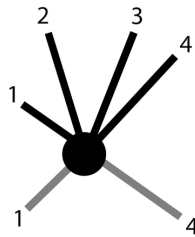
What is the term used to describe pigmentation that is not caused by chemicals, in addition to chemical pigmentation?

Anatomy

Exercises

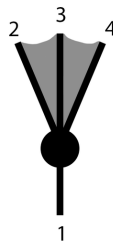
(Circle the correct answers)

Which toe arrangement is shown below?



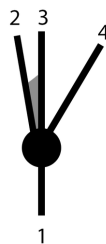
- a.) Anisodactyl b.) Totipalmate
c.) Heterodactyl d.) Pamprodactyl

Which toe arrangement is shown below?



- a.) Lobate b.) Palmate
c.) Heterodactyl d.) Totipalmate

Which toe arrangement is shown below?



- a.) Zygodactyl b.) Heterodactyl
c.) Syndactyl d.) Anisodactyl

Toe Arrangement Bird Search

Find the words below.

Words can be forward, up, down, and diagonal.



Anisodactyl Zygodactyl Heterodactyl Syndactyl

Pamprodactyl Palmate Totipalmate

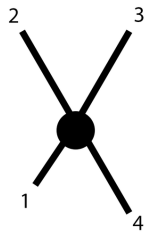
Semipalmate Lobate



Anatomy

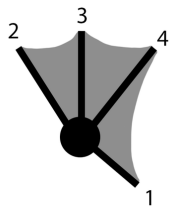
Exercises

(Draw a line from the toe arrangement to the corresponding image)



Palmate

Heterodactyl



Zygodactyl

Semipalmate



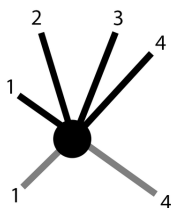
Pamprodactyl

Syndactyl

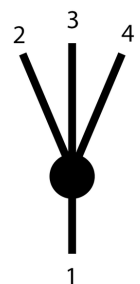
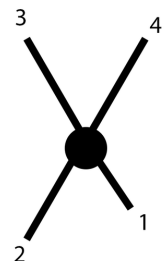
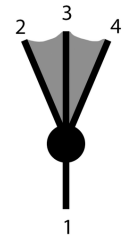


Lobate

Anisodactyl



Totipalmate



Anatomy

Exercises

(Circle the correct answers)

How many air sacs do birds have?

- a.) Five b.) Four
c.) Nine d.) Six

In what year was a fossilized feather found that caused controversy after Darwins book, Origin of Species?

- a.) 1999 b.) 1860
c.) 1899 d.) 1853

What does the prefix "Eu" stand for?

- a.) False b.) European
c.) True d.) Reptile

Birds have a diaphragm.

True or False

Birds have a bi-directional breath.

True or False

During a birds first exhalation the air goes from the Abdominal Sacs into the lungs.

True or False