

Worksheet 1



https://news.utexas.edu/sites/default/files/styles/news_article_main_image/public/photos/clark-e-infographic_v22.jpg?itok=daKpKn5Z

Question

According to the given picture, give three arguments why do we consider the reptiles the ancestors of the birds.

Worksheet 2

<https://i.pinimg.com/originals/83/b5/40/83b540ab6a8ad020d873b75a6b31c697.jpg>



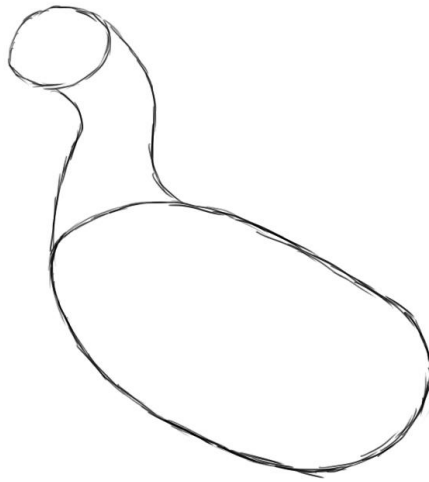
<https://i.pinimg.com/originals/68/48/55/684855f36805fc9ffab197b2c6d93399.jpg>

Problem

Group the birds according to their similar features.

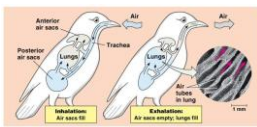
Worksheet 3

Draw your own bird starting from the given drawing.



Worksheet 4

Explain how is respiration in birds connected to flight.



<https://sharon-taxonomy2010-p6.wikispaces.com/file/view/42-25-BirdRespiratorySys-L.jpg/174705655/720x358/42-25-BirdRespiratorySys-L.jpg>

<https://breatheornot.files.wordpress.com/2012/06/bird-breathing1.gif>

<https://s3-us-west-2.amazonaws.com/courses-images/wp-content/uploads/sites/1842/2017/05/26232053/figure-29-05-02.jpeg>

Worksheet 5

Bird's reproduction.

Answer the following questions:

1. Is the hen a viviparous or an oviparous animal? Justify your answer.
2. In a hen, fertilisation is internal. What does this mean? Why can't fertilisation be external?
3. What is the use of egg's reserves in the development of the chick?

http://www.vcbio.science.ru.nl/images/embryology/chicken_anatomy_eng_small.gif

<https://www.visionlearning.com/images/figure-images/68-c-2x.jpg>

https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRyqNjPQ7V-ZRBSuF8J9QpBvUIf_aMH6tMNKD2XtCCvPodInRas

Find the differences between reptile's eggs and bird's eggs.

http://en.eggs.dk/media/332015/%C3%86ggets_opbygning_UK_499x400.jpg

<http://i39.photobucket.com/albums/e172/PATMAN68/My%20Turtles/Baby3ToedBoxTurtle.jpg>

Worksheet 6

Sexual dimorphism

Students are grouped into 5 groups. Teachers spread on the floor 10 different pairs of birds and each group is asked to find the corresponding pairs.

From the given pictures, match the males with their corresponding females. Explain the differences.

https://upload.wikimedia.org/wikipedia/commons/thumb/7/79/Male_and_female_pheasant.jpg/290px-Male_and_female_pheasant.jpg

https://earthlingnature.files.wordpress.com/2017/08/800px-male_and_female_superb_fairy_wren.jpg?w=500

https://upload.wikimedia.org/wikipedia/commons/4/43/Pair_of_mandarin_ducks.jpg

<https://i.pinimg.com/originals/e9/a8/6c/e9a86cead0603155ae02fb4b68ac4f89.jpg>

http://feederwatch.org/wp-content/uploads/2011/02/norcar_robert_williams_10.jpg

<https://i.pinimg.com/736x/a2/ba/2e/a2ba2ed947b412f40e86dcc7b8fb0d84--bird-of-paradise-sleeve.jpg>

Worksheet 7

Assessment

Where do storks live in summer? But in winter?
Explain how and why do they have this behaviour.

http://www.tabletmag.com/wp-content/files_mf/stork620.jpg

https://www.haaretz.com/polopoly_fs/1.5663040.1515414924!/image/1018316866.jpg_gen/derivatives/fullscreen_1104xAuto/1018316866.jpg

https://media.mnn.com/assets/images/2016/01/white-stork-family.jpg.838x0_q80.jpg

Assessment

Design an atipic project including the studied knowledge in different poems, riddles, dialog, drawings... feel free to improvise! Enjoy it!