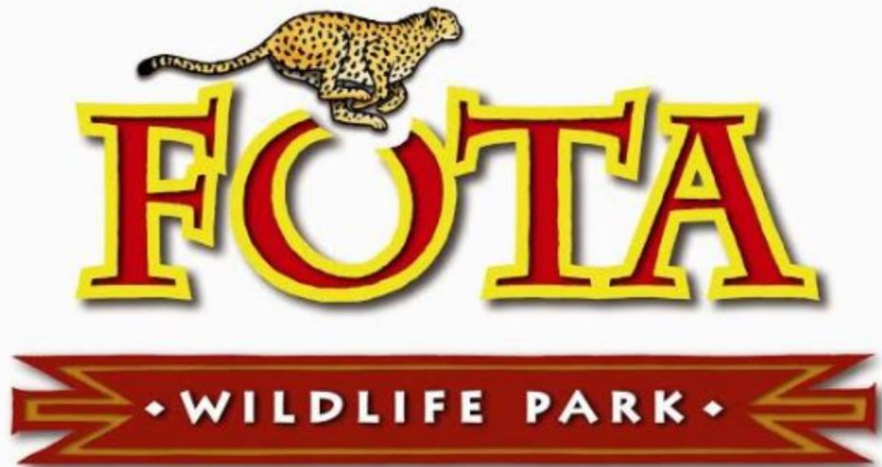


A stylized, colorful illustration of a landscape. The background features wavy, layered bands of blue and white, suggesting a sky or water. The foreground consists of rolling green hills with brown paths. On the left, there is a green tree, a purple flower, and a small orange bird flying. Three black penguin silhouettes are positioned on the hills: one on the left, one in the center foreground, and one on the right.

Humboldt Penguins

At Fota Wildlife Park

Welcome to Fota Wildlife Park!



- Fota Wildlife Park was established in 1983.
- Our aim is to help conserve animals across the globe through Conservation, Education and research!
- The Wildlife Park is a charity and a not for profit organisation.
- By visiting Fota Wildlife Park, you are playing a part in helping to conserve the world's endangered wildlife!

Whereabouts do penguins live?

There are 18 species of penguin which are found in a variety of countries, from snow-covered Antarctica to the equator.

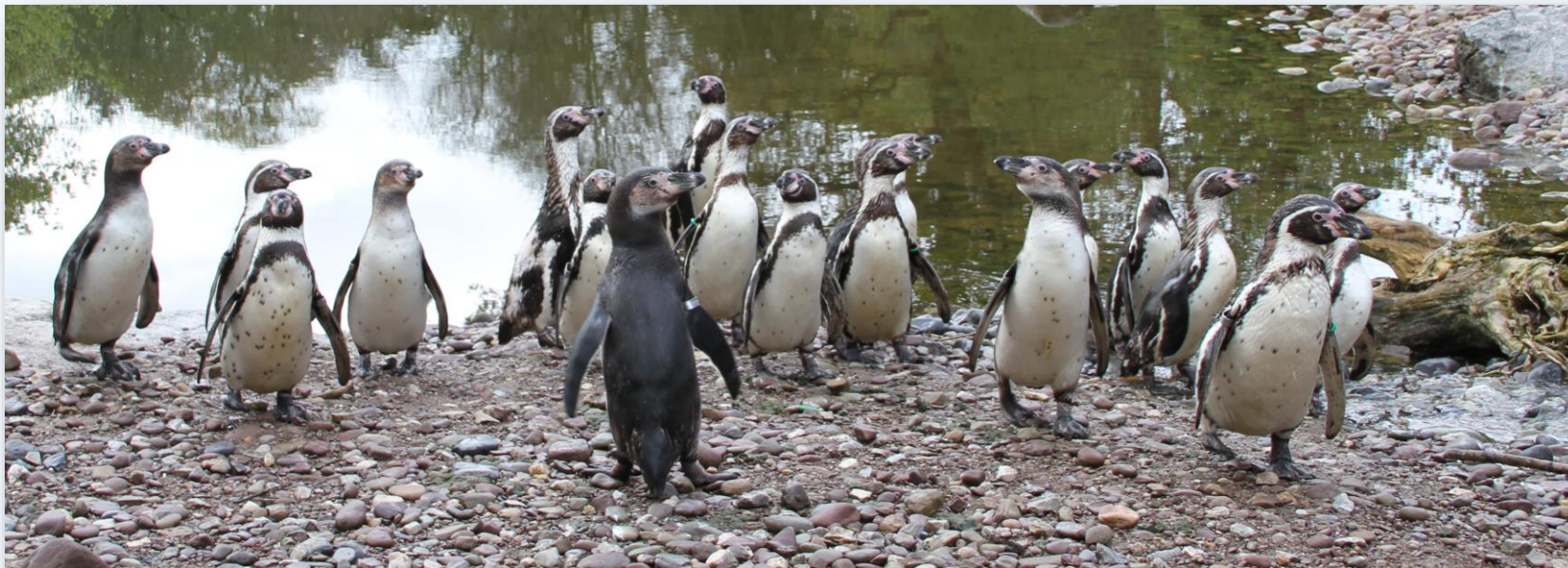
The largest of the species, the Emperor penguin resides in Antarctica whereas the smallest penguin, the little/blue (or fairy) penguin lives in Australia and New Zealand.



Humboldt Penguins at Fota Wildlife Park

Fota is home to a colony of 26 Humboldt penguins.

Their habitat in the park includes a large lake which is tidal; the water comes in from Cork Harbour and brings lots of fish and crustaceans for them to hunt!

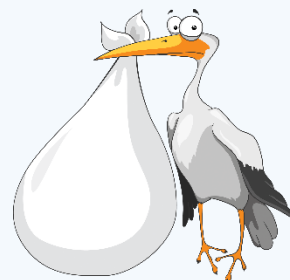


Humboldt penguin Information

Penguins are piscivores (fish-eaters). Small fish like sardines and anchovies make up the bulk of their diet as well as various crustaceans and squid.

They can reach 64cm in length and can weigh up to 4kg.

They share their name with the cool Humboldt Current, which flows from Antarctica along the Pacific Coast of South America, where they live. They were named after an 18th century explorer, Alexander von Humboldt.



Some build nests in a very unusual material, sea bird poo! Also known as guano, this is deposited by various sea birds and builds up over time. The penguins mould the guano into a nest shape and the female will usually lay two eggs in the nest. The parents take turns incubating the eggs and the chick hatch out in about 39 days!



Humboldt penguins live on rocky shorelines in parts of Peru and Chile.



Pick up a penguin fact!

Penguins are flightless birds. Their wings are perfectly adapted for swimming.



Penguins can drink seawater! They have a special gland to remove the salt!



The Galapagos penguin is the only species found just beyond the equator, all other species live in the Southern hemisphere.



Penguins spend approximately half their time on land and half in water.

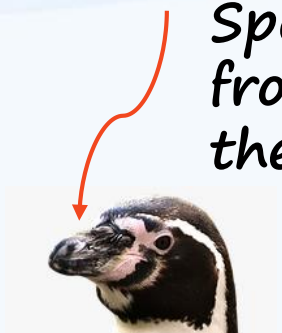


Penguin predators include orcas, leopard seals and sharks.



How are penguins adapted for survival?

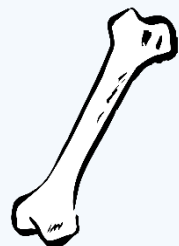
Special gland to remove salt from the sea water that they drink.



Torpedo shaped streamlined body which helps them dive deep in water to hunt



Solid bones to help them dive under water.



Wings in the shape of flippers to swim fast.



Oil on their feathers for waterproofing.

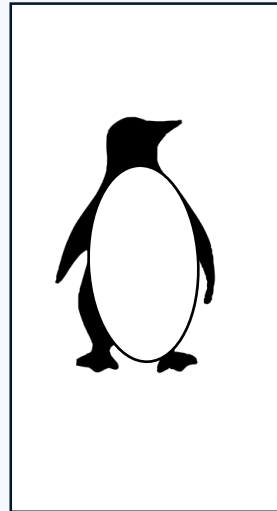


Webbed feet to aid swimming.



Counter shading in penguins.

The dark feathers on their back help camouflage them from predators that are swimming above them!



The white feathers on their stomach camouflage them from predators that are swimming below them!



Plenty of penguin
related words to
be found in this
wordsearch!

V A C Q V A P Y Q U B O Z D V A T E Q N C D U U C
Z A V B F I Z H B E M P E R O R N J H I H N N R Q
V J X X I G N R P I B X K X R I I E P U C U O X H
N D I Y A U M O O D L M T E D B X A C G A W I X L
O Y T S N Z H K R R H B B R L Z E H C N X R T B M
I F J A H V C C F A Y N A M A X R J S E A A A N U
A D A P T A T I O N C S H W F I D J A P K S Z F V
A U N K Y O A H R A X A J S V W V N X F G B I Z N
T N Z S Z P S C Y B H D M I E G E M Y S T X L C H
T D L O B M U H E L I H C P G S F I W I R M A T Q
X I W O J L D Z V R C T W E T G G C Z Y E G C D R
H Y K A N U X E E U O I V R P I E F X R R V O D N
L U O I W A J V K L L R A U H S I F J N J Y V Y G
Y X D N N U K S O A E N N S W I M C G P Y S H G Z
P M G M A G X O F P D R E N N B R Y C C J B I Q T
V M H V V U A D P A G T A R X A V Z H T B C E K C
Y K U I W N G O P N W E F W A D C J I B T U X S O
W N F H P C H X X K C J J F V B K N N B Q G A M L
Y V F J A K I A V O G G W Z U B L M S D J L C F O
V A K N C B D D M X U N Y B D G U E T P T I L A N
V F H O I E I Q A N X J J Z J L Z V R W V P I L Y
E A R V L D A T E R R F J B I I B C A A V Y R X T
W Z V I Q G Q O A T Q Y S F K I O T P X B H H H K
D J E L E N L O V T V B O R X B E Y F E W B Q V K
I S J R Y V K N U K P L P I Z R Y H Y M W P Y Q D

ADAPTATION

ADELIE

CHICK

CHILE

CHINSTRAP

COLONY

EGG

EMPEROR

FISH

GUANO

HABITAT

HUMBOLDT

KING

MACARONI

NEST

OCEAN

PENGUIN

PERU

ROCKHOPPER

SALTWATER

SARDINE

SWIM

VOCALIZATION

VULNERABLE



Double Puzzle

Unscramble each of the penguin-related muddled words.
Copy the letters in the numbered box to the table below to discover the IUCN listing of the Humboldt penguin!

					R				
1	2	3	4	5		6	7	3	8

TUMHBDOL

--	--	--	--	--	--	--	--

3

HIFS

--	--	--	--

SIWM

--	--	--	--

PINNUEG

--	--	--	--	--	--	--

2

DEVI

--	--	--	--

1

TAABTHI

--	--	--	--	--	--	--

6

EBBEWD

--	--	--	--	--	--

5

KEBA

--	--	--	--

7

GEG

--	--	--

8

AUGON

--	--	--	--	--

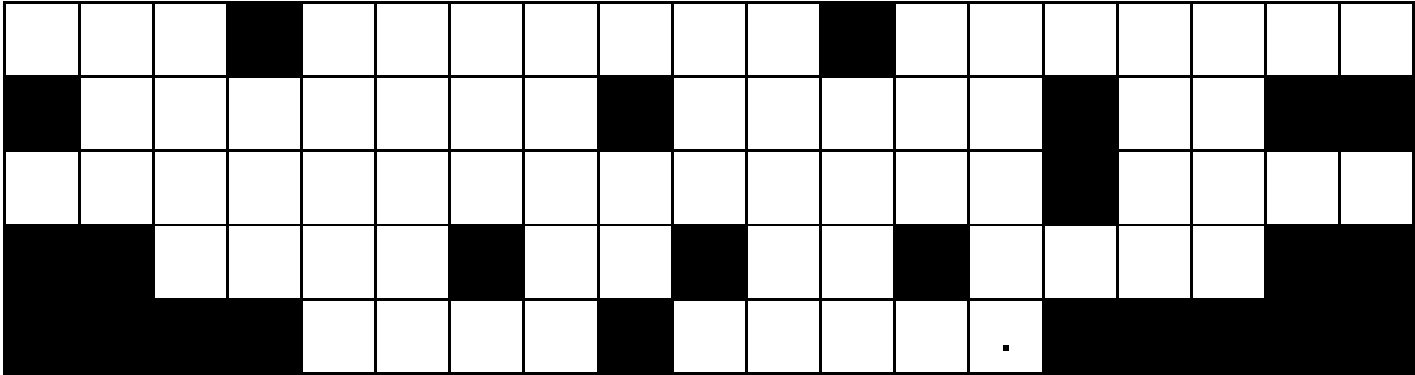
4



Complete the phrase on the board about a fascinating fossil fact.



The letters on the board fell on the ground!
 You have to put them back in the correct order.
 Luckily the letters fell directly under the column as they were on the board.



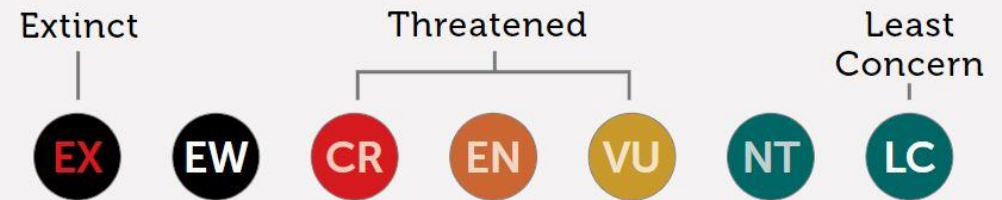


Threats and Conservation.

It has taken millions of years for penguins to be adapted to live in the environments that they do. Human activities are having devastating effects on their habitats which the penguins can't keep up with. This is why over half of the penguins on planet Earth are in danger of becoming extinct.

Of the 18 species of penguin, 10 are listed as either Vulnerable or Endangered on the IUCN Red List

THE RED LIST CATEGORIES



Threats and Conservation.

Historically, Humboldt penguin numbers were affected greatly by mining of guano for fertiliser. Nowadays, warming of ocean currents appears to be a serious threat that may affect their food supply.

Overfishing of the waters where penguins hunt can also make it extremely difficult for them to find food. As well as this, the use of fine-mesh nets (gillnets) by fishermen means that many species of penguins can get tangled in nets and drown.

Climate change is a real threat to penguins living in Antarctica who depend on sea ice for breeding purposes and to access food.



What have you learnt? Quiz Time



How long approximately are the eggs incubated?

- 3 days
- 13 days
- 39 days

Which of these is a predator of the penguin?

- Octopus
- Orca
- Ocelot

Penguins can drink seawater? True or False?

What continent are Humboldt penguins found on?

- Antarctica
- Africa
- South America

What is the smallest species of penguin?

- Fairy
- Emperor
- Humboldt

What species of penguin lives in Fota Wildlife Park?

- Adélie
- King
- Humboldt

What is the purpose of oil on their feathers?

- To make them dark.
- To help them swim.
- To keep them waterproof.



What have you learnt? Quiz Time



How long approximately are the eggs incubated?

- 39 days

Which of these is a predator of the penguin?

- Orca

Penguins can drink seawater? True

What continent are Humboldt penguins found on?

- South America

What is the smallest species of penguin?

- Fairy (or Little/blue)

What species of penguin lives in Fota Wildlife Park?

- Humboldt

What is the purpose of oil on their feathers?

- To keep them waterproof.

Answer to the fallen phrase: The largest penguin fossils found by archaeologists have been up to five feet tall.



Learning at Fota Wildlife Park.....



If you would like to learn more about wildlife.....why not book an educational tour with our education department. Each year our skilled team of educators teach in excess of 19,000 students in the areas of conservation & ecology. We welcome students of all ages all year round!

We hope to see you soon!

Contact: education@fotawildlife.ie

Or (021) 4812678 ext 206 For more details!

