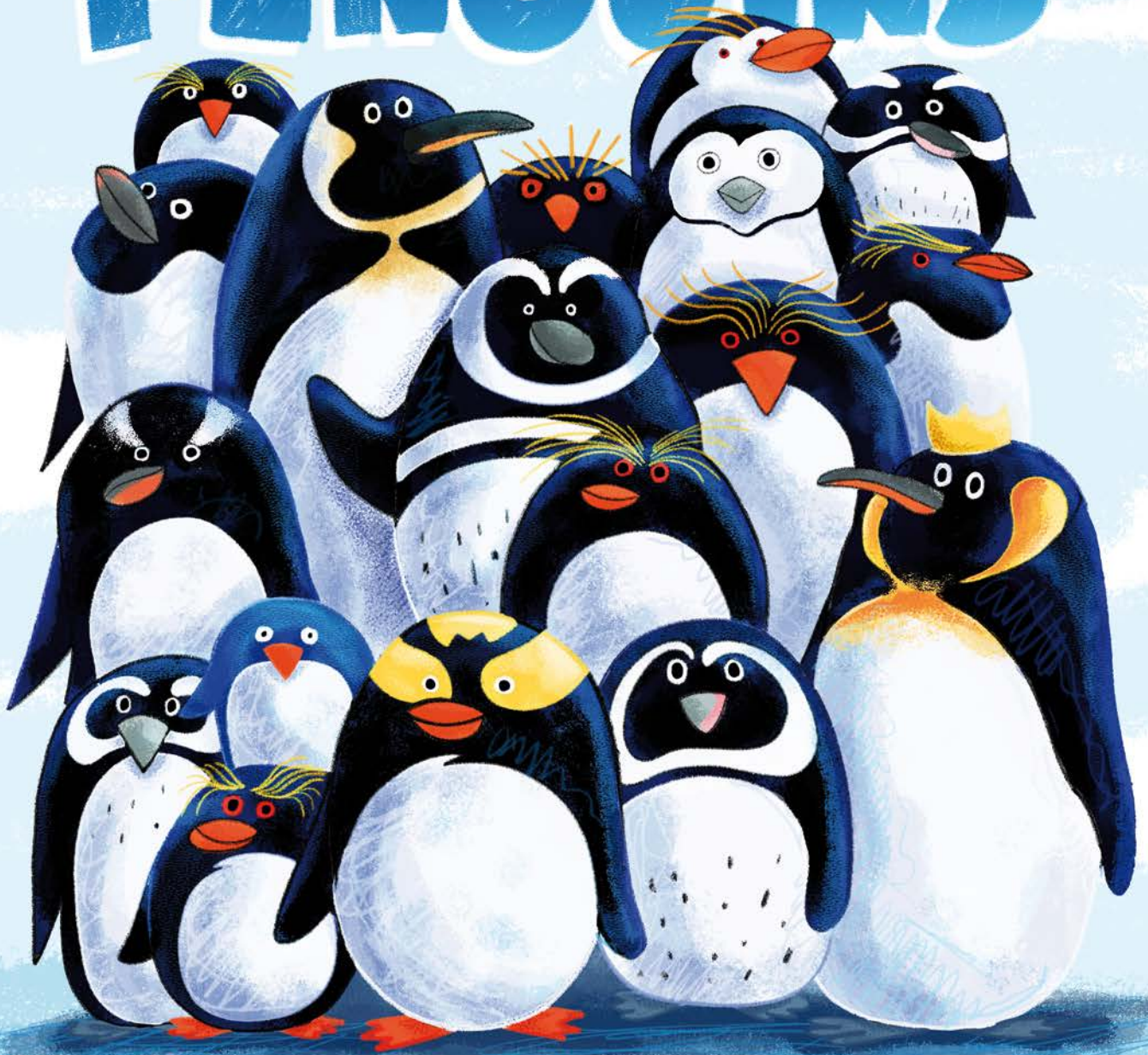


MEET THE PENGUINS



LEARNING AND ACTIVITY BOOK
KINDERGARTEN



Global Penguin Editions





General coordination:
Dr. Pablo García Borboroglu
and **Dr. Laura Marina Reyes.**

Director of the Global Penguin Society Education Program: **Lic. María Luján Villabriga.**

Educational Proposals: **Prof. María Soledad Martínez G.**

Design and Illustration: **Federico Posadas.**

Photographs: **Global Penguin Society,**
J. Deely, T. Mattern, H. Ratz, C. Sutter.

Global Penguin Editions

globalpenguinsociety.org

Contact:

info@globalpenguinsociety.org

education@globalpenguinsociety.org

Puerto Madryn, Chubut, Argentina.

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PREFACE

There are so many fantastic things to appreciate and admire about penguins. They are remarkably special animals whose role in marine habitats is so important in preserving a healthy planet. I was 3 years old when I first heard about penguins. My grandmother, Melania, used to tell me about her experiences when she visited penguins on the Patagonian coast of Argentina at the beginning of the last century. These stories allowed me to appreciate and connect more deeply with nature.

First I was very concerned about oil spills, which killed tens of thousands of penguins every year. I started rescuing oiled penguins on beaches, but decided to study at university to become a more effective help to them. Since 1990, I have been working in penguin research and conservation.

Eventually, the idea of working for penguins on a larger scale emerged and I created the Global Penguin Society (globalpenguinsociety.org), an international organization dedicated to conservation through science, education and habitat protection for the world's 18 penguin species.



Dr. Pablo García Borboroglu

EDUCATION PROGRAM

The Global Penguin Society's education program promotes conservation values and care for the environment through penguins.



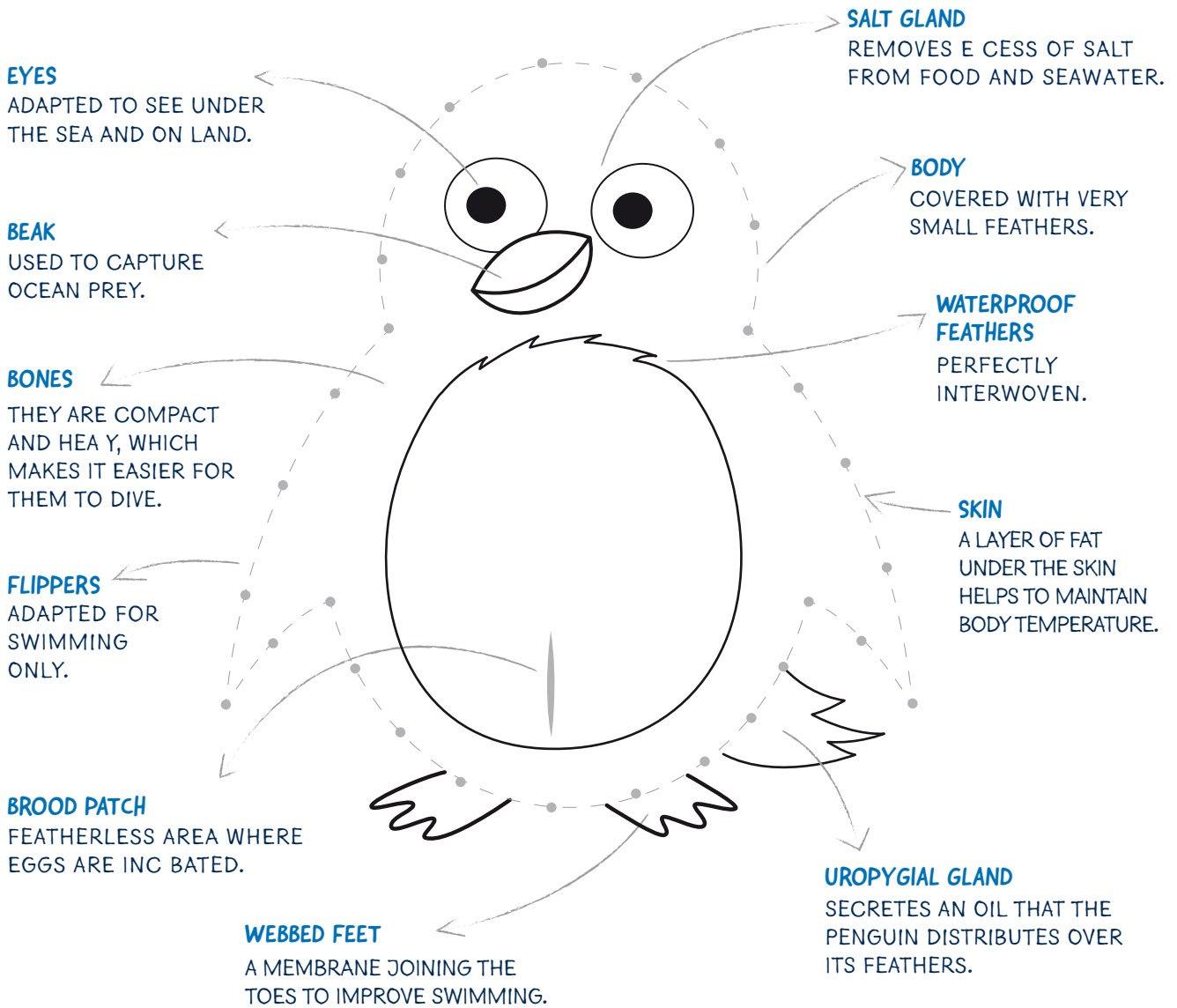
We organize trips for communities and schools to visit the penguin colonies, so that people can get to know the penguins and understand the importance of protecting them. In addition, we give lectures and donate books and educational material. We also carry out global educational initiatives to engage both children and adults. These include digital educational guides, material on our website, live classes via satellite from remote penguin colonies and conferences in multiple countries.

We are convinced that receiving a conservation message at an early age is essential for the next generation to value and protect penguins and the coasts and oceans they inhabit.

WHICH ANIMAL IS IT?



CONNECT THE DOTS AND COLOR IN THE PENGUINS BODY.



PENGUINS ARE FLIGHTLESS SEABIRDS AND VARY IN SIZE, DEPENDING ON THE SPECIES.



CURIOUS FACT

DID YOU KNOW THAT ONLY ONE SPECIES OF PENGUIN DOES NOT HAVE BLACK FEATHERS? IT LIVES IN AUSTRALIA AND NEW ZEALAND. IT IS THE BLUE PENGUIN. IT IS THE SMALLEST OF THEM ALL. HERE WE SHOW YOU...





THE PENGUINS OF THE WORLD

COLOR THE MANDALA.



WORLD PENGUIN DAY IS CELEBRATED EVERY APRIL 25TH TO PROMOTE THE PROTECTION OF PENGUINS.

CURIOUS FACT:

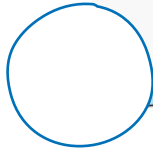
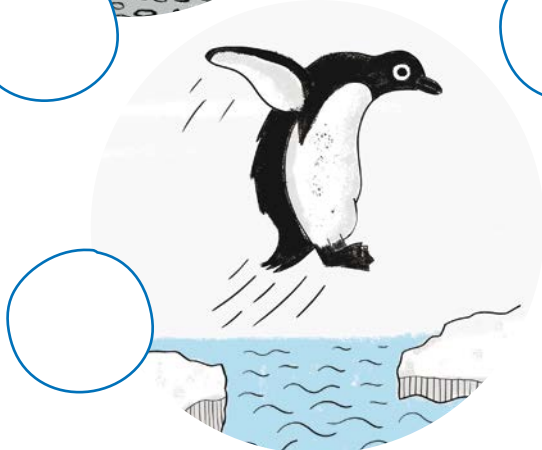
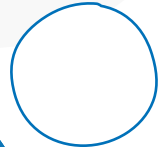
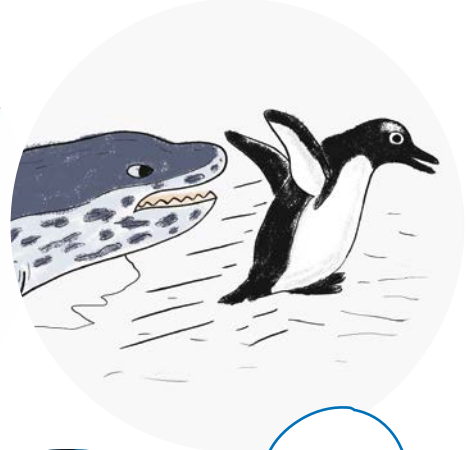
DID YOU KNOW THAT THERE ARE MANY SPECIES OF PENGUINS?
THERE ARE 18 OF THEM IN TOTAL AND THEY LIVE ONLY IN THE
SOUTHERN HEMISPHERE.





A DAY IN THE LIFE OF A PENGUIN IS NOT EASY!

PENGUINS CARRY OUT VARIOUS ACTIONS THROUGHOUT THE DAY. LOOK AT EACH PICTURE AND MATCH IT WITH THE CORRESPONDING ACTION.



1

DIVING

2

WALKING

3

JUMPING

4

FEEDING

5

ESCAPING



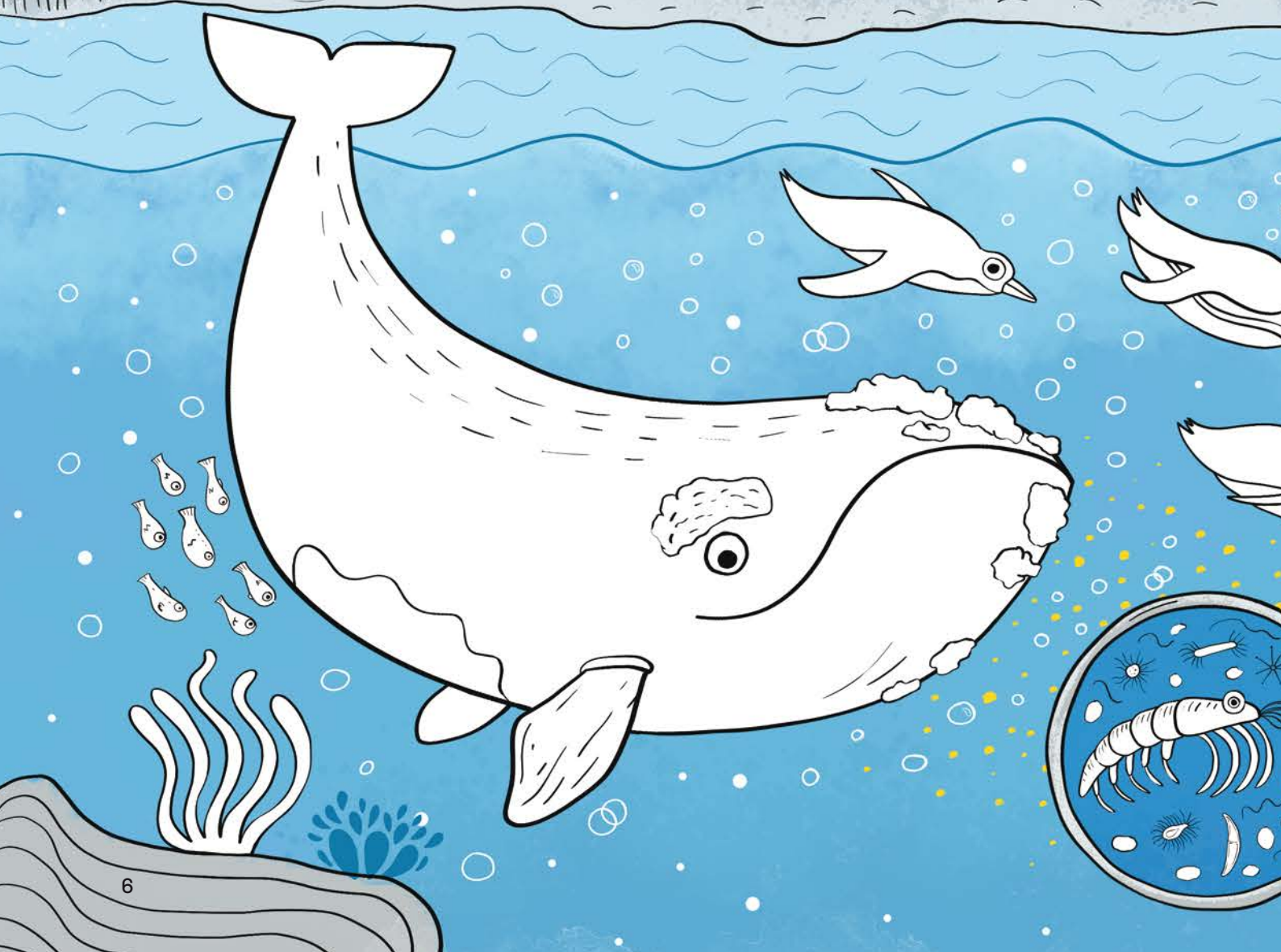
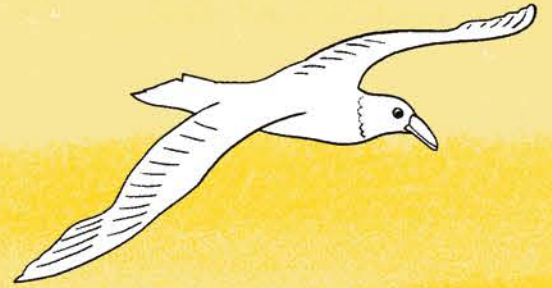
CURIOUS FACT:

DID YOU KNOW THAT PENGUINS CAN BREED IN DIFFERENT ENVIRONMENTS AND THAT ONLY TWO SPECIES DO NOT BUILD NESTS? THESE ARE THE EMPEROR PENGUIN AND THE KING PENGUIN, WHICH PLACE THEIR SINGLE EGG ON THEIR FEET AND INCUBATE IT THERE.



20% OF ITS LIFE TAKES PLACE ON LAND...

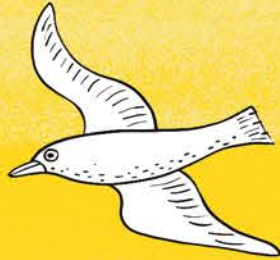
PENGUINS ONLY LIVE ON LAND WHEN THEY BUILD THEIR NESTS, LAY THEIR EGGS AND LOOK AFTER THEIR CHICKS. IN ORDER TO SURVIVE, THEY MUST DEFEND THEMSELVES AGAINST CERTAIN PREDATORS: SEAGULLS, SKUAS, FOXES, PUMAS, WILD CATS, ETC.



SHARING ENVIRONMENTS



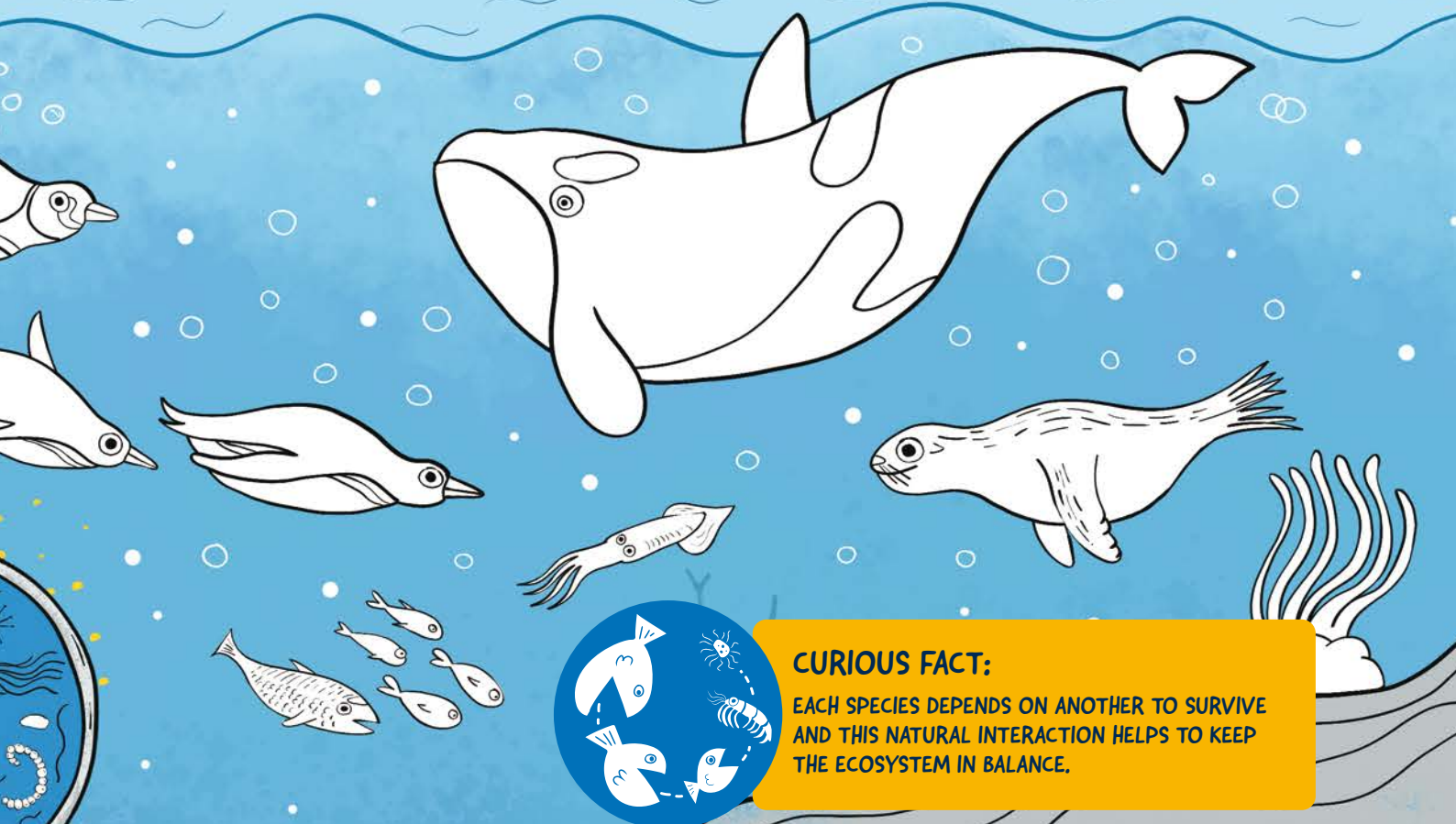
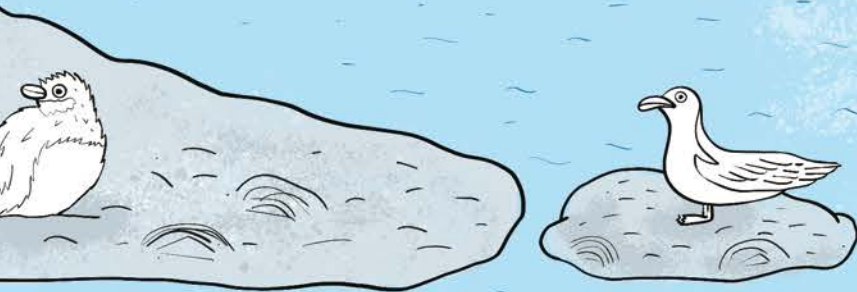
LOOK AT EVERYTHING THAT IS HAPPENING IN THE SCENE AND COLOR IN THE WILDLIFE.



80% OF THEIR LIFE TAKES PLACE AT SEA...

PENGUINS FIND THEIR FOOD IN THE SEA: FISH, SQUID, OCTOPUSES, SHRIMPS, ETC. THEY ALSO SHARE THE SEA WITH OTHER LIVING CREATURES, INCLUDING THEIR MAIN PREDATORS: KILLER WHALES, GIANT PETRELS, SEA LIONS AND ELEPHANT SEALS.

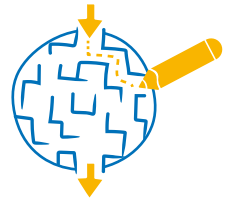
PENGUINS ALSO USE THE OCEAN FOR THEIR ANNUAL MIGRATION JOURNEY, BUT UNLIKE FLYING BIRDS, PENGUINS MIGRATE BY SWIMMING.



CURIOUS FACT:

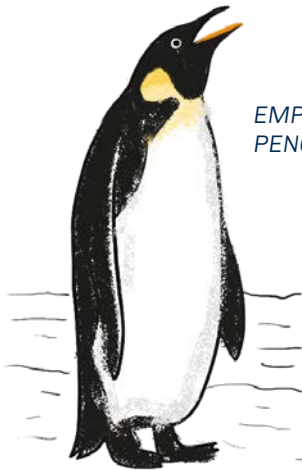
EACH SPECIES DEPENDS ON ANOTHER TO SURVIVE AND THIS NATURAL INTERACTION HELPS TO KEEP THE ECOSYSTEM IN BALANCE.

YEAR AFTER YEAR...



AT THE BEGINNING OF THE BREEDING SEASON, THE MALE PENGUINS COME TO SHORE TO PREPARE THE NESTS AND THEN ARE REUNITED WITH THEIR MATES. BOTH PARENTS INCUBATE THEIR EGGS AND THEN CARE FOR AND FEED THEIR CHICKS.

HELP EACH PENGUIN FIND ITS MATE.



EMPEROR
PENGUIN



KING
PENGUIN



MAGELLANIC
PENGUIN



GENTOO
PENGUIN



BEAK CLASHING
(DUELING)



NEST CONDITIONING



VOCALIZATIONS



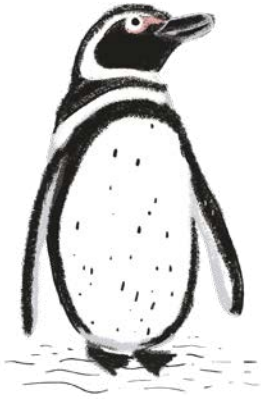
DANCES



THEY GROW VERY FAST

BOTH PARENTS TAKE TURNS TO INCUBATE THE EGGS UNTIL THEY HATCH. PARENTS ALSO TAKE TURNS FEEDING AND CARING FOR THEIR CHICKS.

MARK EACH PATH WITH A DIFFERENT COLOR.



ASK A FRIEND:
IN WHICH OF THE THREE SITUATIONS
WILL THE PARENTS GET TO THE NEST
THE FASTEST AND WHY?

CURIOUS FACT:

DID YOU KNOW THAT CHICKS CANNOT GO TO THE SEA TO SEARCH FOR FOOD? AS THEIR DOWN FEATHERS ARE NOT WATERPROOF, IF THEY GET WET THEY COULD FREEZE TO DEATH. MOREOVER, THIS DOWN DOES NOT ALLOW THEM TO FLOAT, SO THEY WOULD SINK IN THE WATER. THEREFORE, THEY HAVE TO GROW AND WAIT FOR THEIR PLUMAGE TO CHANGE, WHICH WILL ALLOW THEM TO SWIM, DIVE AND LOOK FOR THEIR OWN FOOD.

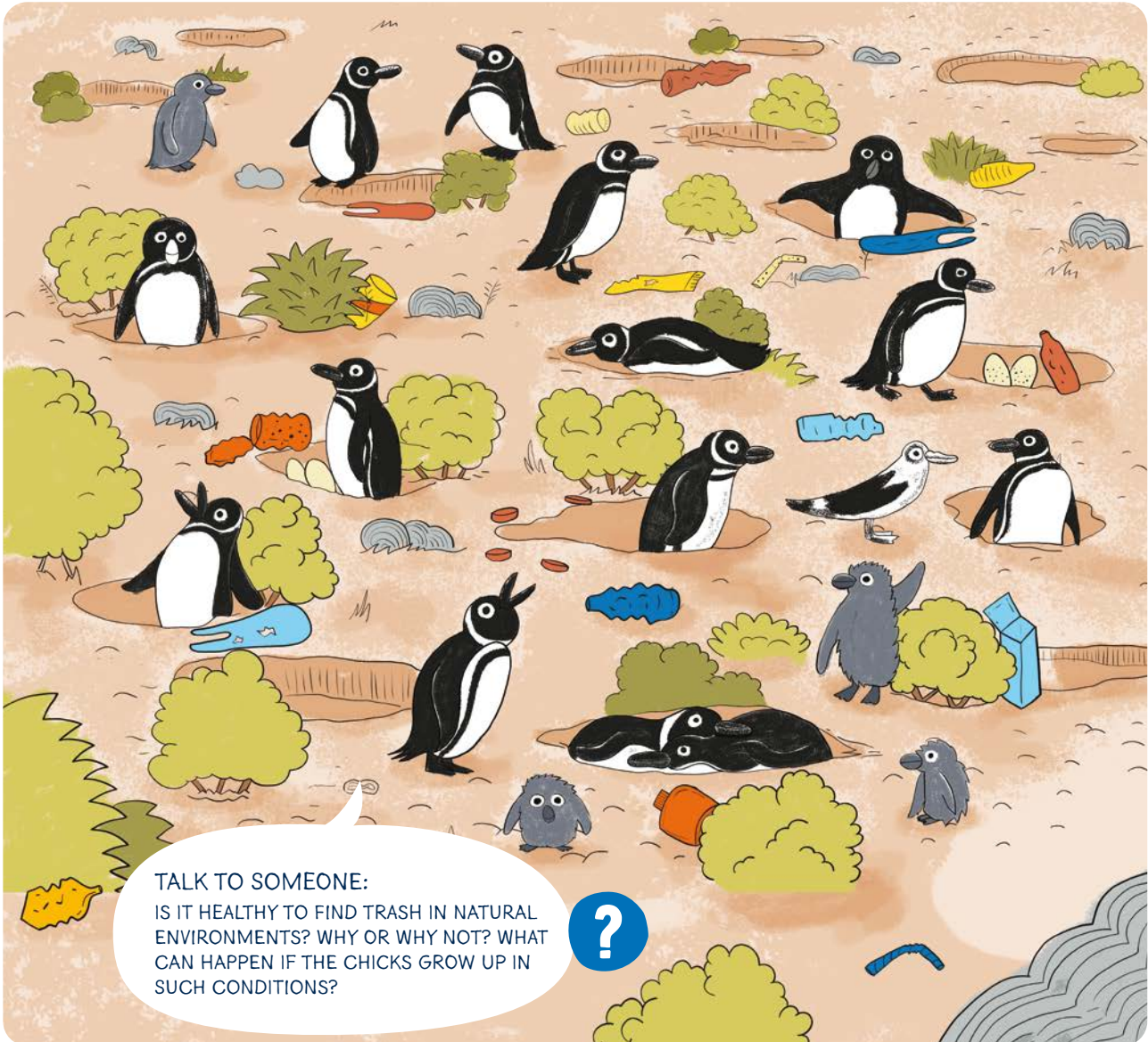


BUILDING NESTS, BUT..... BE CAREFUL!



MOST PENGUINS BUILD AND PREPARE THEIR NESTS WITH MATERIALS THEY FIND IN NATURE. SOME USE ROCKS, BRANCHES, FEATHERS, ETC. BUT SOMETIMES, AS THEY DO NOT DISTINGUISH BETWEEN NATURAL AND ARTIFICIAL MATERIALS, THEY CONFUSE THEM AND USE OBJECTS LIKE PLASTIC BAGS, BOTTLES, AND CANS AS WELL.

CROSS OUT WITH AN "X" THE MATERIALS THAT SHOULD NOT BE PART OF PENGUIN COLONIES.



YOU CAN HELP PENGUINS AND IMPROVE ENVIRONMENTS WITH SIMPLE EVERYDAY ACTIONS SUCH AS AVOIDING THE USE OF DISPOSABLE PLASTICS, BY COMPOSTING AND APPLYING THE "5R'S". THE ADDITION OF THESE ACTIONS, HOWEVER SMALL THEY MAY SEEM, WILL MAKE A HUGE DIFFERENCE TO THE FUTURE OF PENGUINS, PEOPLE AND THE PLANET AS A WHOLE.



COMPOSTING



REDUCING



REJECTING



REUSING



REPAIRING



RECYCLING

TOGETHER FOR A BETTER PLANET

PENGUINS NOT ONLY HAVE TO WATCH OUT FOR NATURAL PREDATORS, THEY ALSO FACE A VARIETY OF HUMAN-INDUCED THREATS THAT AFFECT THEIR LIVES.

THE GLOBAL PENGUIN SOCIETY (GPS) INVOLVES RESEARCHERS AND EDUCATORS WHO WORK TOGETHER TO GENERATE SCIENCE, ASSIST IN THE CREATION OF PROTECTED AREAS AND ORGANIZE ENVIRONMENTAL EDUCATION ACTIVITIES TO PROMOTE THE PROTECTION OF ALL PENGUIN SPECIES AND THEIR HABITATS.

SCIENCE

GPS RESEARCHERS STUDY HUNDREDS OF NESTS DURING THE BREEDING SEASON AND COUNT THEM TO FIND OUT THE NUMBER OF PENGUINS IN EACH COLONY. THEY ALSO STUDY PENGUINS WHEN THEY ARE OUT AT SEA, IN ORDER TO KNOW THEIR MIGRATION ROUTES AND FEEDING ZONES.



BEACH CLEAN UP IN PENGUIN COLONIES

GPS ORGANIZES CLEAN UPS TO COLLECT ALL THE RUBBISH ON THE BEACH AND TO RAISE AWARENESS OF THE DAMAGE IT CAUSES TO THE COASTS AND OCEANS. THESE ACTIVITIES GENERATE NEW HABITS THAT WILL BENEFIT THE ENVIRONMENT.



ENVIRONMENTAL EDUCATION

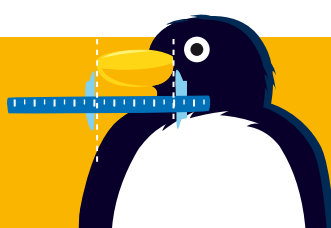
GPS GIVES TALKS, DEVELOPS EDUCATIONAL MATERIAL AND ORGANIZES SCHOOL TRIPS TO PENGUIN COLONIES FOR CHILDREN TO LEARN ABOUT AND APPRECIATE PENGUINS.



CREATION OF PROTECTED AREAS

GPS HELPS TO CREATE COASTAL AND MARINE PROTECTED AREAS WHERE PENGUINS AND OTHER WILDLIFE LIVE.

OUR GOOD ACTIONS HELP TO PROTECT AND CONSERVE THE WORLD'S PENGUINS AND THEIR HABITATS. GET INVOLVED! YOUR PARTICIPATION IS ESSENTIAL. VISIT OUR WEBSITE TO FIND OUT HOW YOU CAN HELP: [GLOBALPENGUINSOCIETY.ORG](https://www.globalpenguinsociety.org)



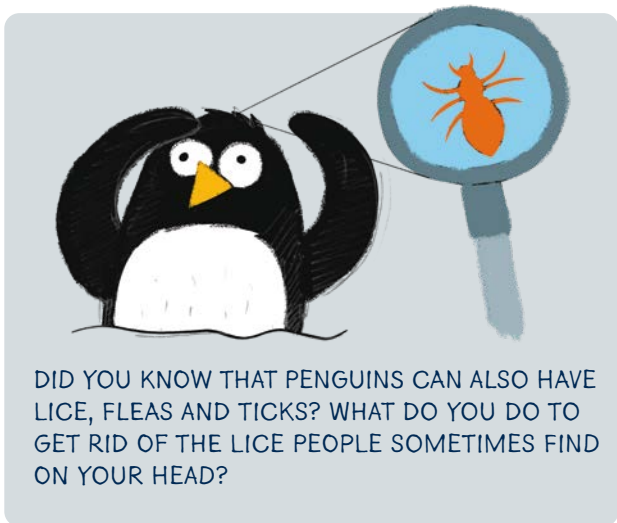
CURIOUS FACT

TO STUDY PENGUINS, RESEARCHERS MEASURE THEIR WINGS, FEET AND BEAKS AND ALSO WEIGH THEM. THEY THEN RECORD THIS DATA ON SPECIAL SPREADSHEETS.

INTERESTING PENGUIN FACTS!



DID YOU KNOW THAT PENGUINS' SHORT FEATHERS ARE NOT ONLY WATERPROOF, BUT ALSO PREVENT EXCESSIVE HEAT LOSS? THEY PREEN THEMSELVES WITH THEIR BEAKS TO KEEP THEIR FEATHERS IN GOOD CONDITION.



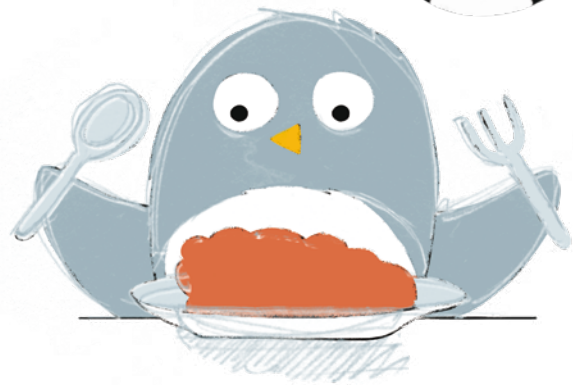
DID YOU KNOW THAT PENGUINS CAN ALSO HAVE LICE, FLEAS AND TICKS? WHAT DO YOU DO TO GET RID OF THE LICE PEOPLE SOMETIMES FIND ON YOUR HEAD?



MILLIONS OF YEARS AGO, THE ANCESTORS OF PENGUINS COULD FLY, BUT OVER TIME, IT BECAME MORE CONVENIENT FOR THEM TO DIVE INTO THE SEA TO GET THEIR FOOD, AND SO THEIR WINGS CHANGED INTO FLIPPERS. WHO COULD OUR ANCESTOR BE?



DID YOU THINK POLAR BEARS LIVED TOGETHER WITH PENGUINS? POLAR BEARS LIVE IN THE NORTHERN HEMISPHERE, UNLIKE PENGUINS, WHICH LIVE ONLY IN THE SOUTHERN HEMISPHERE.



DID YOU THINK PENGUINS GIVE THE WHOLE PREY TO THEIR CHICKS AS FOOD? THEY DIGEST IT FIRST AND THEN FEED IT TO THEIR CHICKS BY REGURGITATING IT. SOMETIMES IT'S A STICKY MIXTURE, BUT FULL OF NUTRIENTS FOR THE LITTLE ONES.



MAGELLANIC PENGUINS ARE LONG-LIVING ANIMALS, I.E. SOME CAN LIVE UP TO 35 YEARS. APPROXIMATELY HOW LONG CAN A HUMAN BEING LIVE?





The Global Penguin Society is an international organization dedicated to promoting the conservation of all the world's penguin species and the coasts and oceans they inhabit. To help penguins face the main threats they encounter, we work to generate useful science for conservation, promote the protection of their habitats and develop multiple environmental education activities. This educational and activity book is the result of the work of biologists and educators who want to bring children and teachers closer to the world of penguins, teaching them the importance of protecting them.



Learn more about penguins at
globalpenguinsociety.org
and join our actions to help us protect them.



**M^ª. SOLEDAD MARTÍNEZ G.
M^ª. LUJÁN VILLABRIGA
LAURA MARINA REYES
PABLO GARCÍA BORBOROGLU**

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