

disneynature

FOR STEVE, HIS ADVENTURE ISN'T ALL BLACK AND WHITE.



Disneynature
PENGUINS

CELEBRATE EARTH DAY - IN THEATRES APRIL 17

ACTIVITY PACKET

Created in Partnership with Disney's Animals, Science and Environment

DisneyNature PENGUINS

THEATERS EARTH DAY 2019

Helms (The Office, The Hangover trilogy, **The Daily Show** with DisneyNature's all-new feature film **Penguins** is a coming-of-age penguin named Steve who joins millions of fellow males in the on a quest to build a suitable nest, find a life partner and start a family. None of it comes easily for him, especially considering he's targeted by everything from killer whales to leopard seals, who unapologetically threaten his happily ever after. From the filmmaking team behind **Bears** and **Chimpanzee**, DisneyNature's **Penguins** opens in theaters and in IMAX® April 17, 2019.





Antarctica is known for being cold, windy and almost completely covered by ice, but it's also home to lots of amazing animals! Seals, sea lions, whales and many more unique species hail from this frosty region of our planet. In fact, this is where we meet Steve, an Adélie penguin. We'll learn more about him later!

ADÉLIE PENGUIN

ches (70 cm) tall and weigh between 8.5 and 12 pounds (smallest species of penguin). Consuming mainly krill, fish and rather low on the food chain and must be on alert for swimming. The dark coloration on their backs blends into the water above. Likewise, their white undersides become nearly invisible to a predator from below. This specific coloring penguins live in large groups called colonies and mate animals, Adélie penguins do not always make good nests from each other's nests to add to their own!

Leopard Seals are considered the most skilled hunters of the seal family. Despite their hunting prowess, about 50% of a leopard seal's diet actually consists of krill, with the remainder including penguins, smaller seals, squid, fish and more. These seals get their name from the black spots on their coat which are similar to those of a leopard. Like most seals, leopard seals have a thick layer of blubber underneath their coat used to protect them from the frigid cold. They grow up to 11.5 feet (3.5 m) long and up to 840 pounds (381 kg), with the females tending to be slightly larger than the males. Due to the leopard seal's bulk and sleek shape, this solitary species prefers to do its hunting in the water where it can be significantly stealthier.



KILLER WHALE

as, are the largest of all warm-blooded predators, , sea otters, squid, fish, sea turtles, seabirds and or whales are not whales at all! They are actually the females can be up to 28 feet (8.5 m) long and weigh that's similar in size to a school bus! Though some live in killer whales have no specific geographic range, and are

South Polar Skua are renowned scavengers and hunters, feeding on fish, penguin eggs, penguin chicks and carrion, or the decaying flesh of dead animals. While these seabirds typically hunt for their meals at sea and on penguin breeding grounds, south polar skua are also known to steal food already hunted by smaller seabirds. The smallest and most gray of the skua, these birds prefer to breed on rocky, snow-free areas in Antarctica, living entirely at sea during the remainder of the year.



The largest species of seal, with the males growing up to 20,000 pounds (4,082 kg). While they are considered to be marsupials specifically to the males, as the females usually weigh 8-10% less than the males. Southern elephant seals get their name not from their elephant trunk-like noses! They spend 70-80% of their lives at sea mainly hunting squid, but also hunt fish, crustaceans and sea squirts.

ACTIVITIES

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the difference

Lie penguins can be pretty tough to tell apart. Imagine if humans was hard to tell the difference between you and your friends!

Penguins are relatively
oth have that classic
lies and black heads,
ack and white color
ntershading – dark
e underside. All adult
ies, have some type
side blends with
e lighter side blends
– this combination
ulators to tell the
; and the surrounding
g from above or below.

largest penguin in the world and weighs nearly seven times as much as Steve and his fellow Adélie penguins! Aside from size, another way to tell an Adélie apart from other species of penguin is by their eyes — Adélie penguins have a distinct white ring around each eye.

have wings or take to the sky like other birds. In fact, their “wings” are really paddle-like flippers that help them swim underwater. Their short tails, elongated bodies and webbed feet also help propel them through the water with ease.

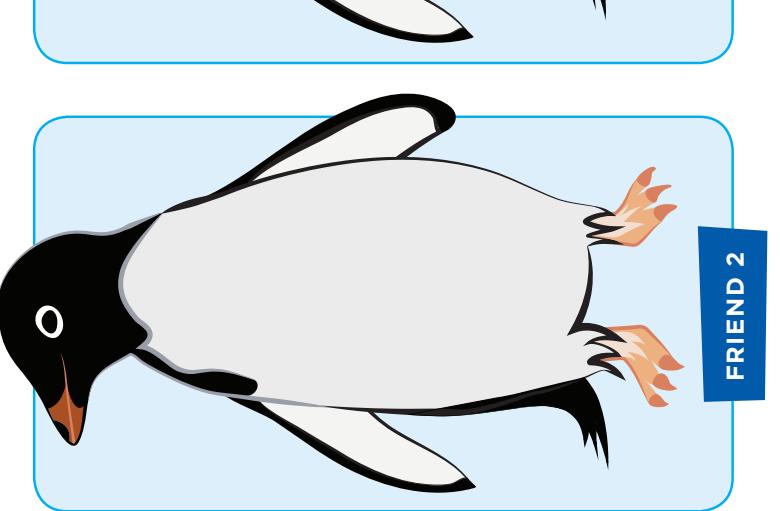
Penguins are very small for birds. They weigh about 4-6 kg (8.8-13.2 lb) and are about 70 cm (27.5 in) long. The Adélie penguin, which breeds in the Antarctic, is the smallest of all the penguins.

With all this new information about Adélie penguins, can you help spot the differences between Steve and the Adélie penguins on the next page?

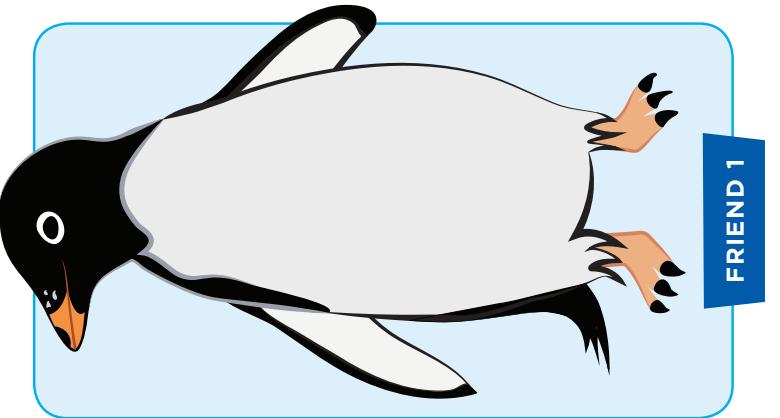


SIMILAR BUT NOT

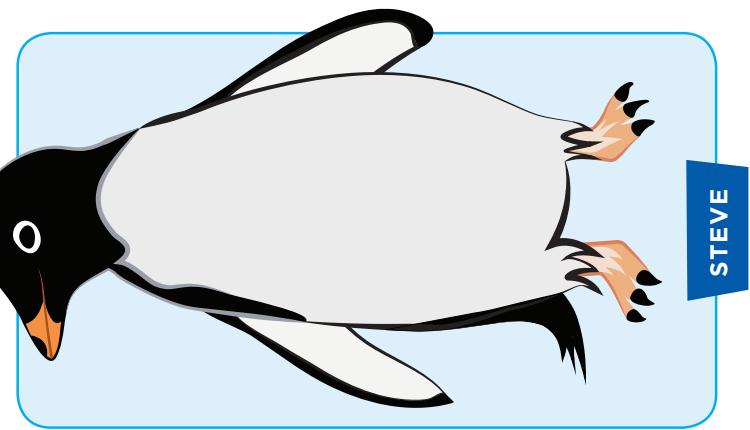
Adélie penguins all look very similar, but they make them very hard to distinguish from one another. Spot how Steve's friend is different than him, and circle each friend. Each friend has three differences.



FRIEND 2



FRIEND 1



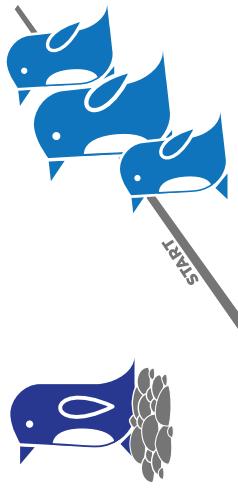
STEVE

Pebble Panic

Adélie penguins work hard to collect pebbles for their nests, but sometimes their neighbors steal their pebbles! Gather some friends and play this game to see if you can protect your pebbles!

Game Setup:

- With your friends, go outside and find a nest. You can use rocks, toys or other items to create your pretend nest.
- Make a starting line about 10 steps away from the nest. You will need at least 1 friend to be a Neighbor. Players acting as Neighbors gather together as Neighbors.
- Choose someone to be the Nest Guardian. Stand by the nest, facing away from the line so they can't see the Neighbors.



RULES

CATCH 'EM IN THE ACT!

The Nest Guardian can turn around to try and tag an approaching Neighbor before the Neighbor gets back to the starting line.



STEP BACK!

If caught, the Neighbor has to start from a giant step behind the starting line on their next attempt.



BE CAREFUL!

If the Nest Guardian turns around to check for Neighbors and none are approaching... Aww... they grow up so fast!

Do you have what it takes to build and protect your nest, like Steve and the Adélie penguins? Head to the next page to find out!

STEP BACK!
...the Nest Guardian must take a giant step away from the nest.



BECOME THE NEST GUARDIAN!



Like Steve, are responsible for building nests used to house chicks. It's an important job and they take it very seriously! Their nest building skills is one way they attract a mate and have the biggest and best nest in the area.

Adélie penguins are finding traditional nest sites difficult to find, so finding traditional nest sites is becoming more difficult. Therefore, the Adélie penguins are forced to use alternative nest sites, such as old rock piles or cones. These new nest sites are often located in areas where there is little protection from predators, such as foxes and skuas. This can be dangerous for the chicks, as they are more vulnerable to predation when they are young. However, the Adélie penguins are still able to successfully raise their chicks in these new nest sites.

The Adélie penguins are also facing challenges due to climate change. Warmer temperatures are causing ice to melt, which is changing the availability of food for the penguins. This can lead to malnutrition and even death for the chicks. In addition, the melting ice is causing the sea level to rise, which can wash away the penguins' nests.



Adélie penguins are known for their strong bond with their mates. They stay together for life and work together to care for their chicks. The female Adélie penguin is responsible for incubating the eggs, while the male Adélie penguin brings food to the nest. Once the chicks hatch, both parents work together to feed and protect them. The chicks are born with dark feathers and are unable to fly until they are about 4 weeks old. During this time, the parents must constantly search for food to keep the chicks fed and healthy. The parents also protect the chicks from predators, such as foxes and skuas. The chicks are fully independent by the time they are about 55 days old.



Lights Out

In the world, Antarctica only has two summer and winter — each lasting



ated over the earth's surface are more drastically changing and relationship to the season, Antarctica is sun and exposed to the winter season, from the sun and the dark for six months.

there might be a period where the sun never makes it, during the summer period of time where the sun is. However, a good amount of time spent in either total

LIGHT

LIGHTS ON!

Directions:

In the left box, draw your best Adélie penguin. Then, attempt to draw your best Adélie penguin in the other box, but do it with your eyes closed or with the lights out!

Because of how the earth's axis is tilted, Antarctica is left in darkness for half the year. Adélie penguins live in the winter months to avoid the darkness. Would you thrive in a dark season? Let's find out!

Head to the next page and see how well your drawing skills would do in total darkness or complete sunlight!

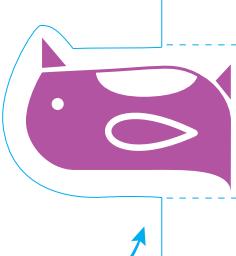


Snow Banks and Iffy Ice

Adélie penguins have a thick layer of fat under their skin to help keep them warm in Antarctic weather, but how do they fuel their tiny bodies with lip with the cold? Through their diets!

small aquatic birds and shrimp-like krill. These penguins aren't built for speed — they're built for survival! It's a tough job — when food is scarce, Adélie penguins can be forced to swim up to 2 hours and may swim up to 10 miles per hour (2.4 kmph). In the snow, you'll likely find Adélie penguins in their bellies — also known as their crop. They reach the water, so be your playing piece.

-4 players. Find a die and a pencil. Fill in the grid below with the number that is equal to or less than the number of spaces to move. If you land on the ocean, go back two spaces to avoid falling through the ice!



Adélie penguins work hard traveling to and from the ocean to find food for their newly-hatched chicks. Grab a die and follow the directions to travel over snow banks and iffie ice, just like Adélie penguins!

START/
FINISH



SNOW BANK!

Slide on your stomach to skip spaces and get closer to the ocean!

SNOW BANK!

Slide on your stomach to skip spaces and get closer to your chicks!

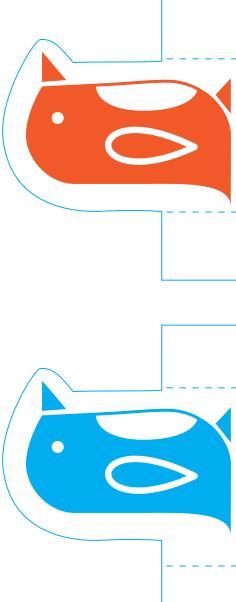
IFFY ICE!

Watch out for leopard seals! Go back three spaces to avoid falling through iffie ice!

SNOW BANK!
Slide on your stomach to skip spaces and get closer to you!

IFFY ICE!

Watch out for leopard seals! Go back two spaces to avoid falling through iffie ice!



- Once you have gotten fish by landing in the ocean, your turn ends, and the ocean will be the starting point for your next roll.
- Try not to land on the iffie ice, marked by the dark blue spaces! If you do, follow the directions on the space.
- If you land on a snow bank, slide forward in the direction you are going to the end of the snowbank.

Painting with Glaciers

ILLUSTRATE THE ANTARCTIC

The Antarctic is a vast and harsh environment, but if you look closely, you'll find incredible beauty across the massive landscape of ice and snow. Using ice and color, paint your own masterpiece to create the habitat Adélie penguins call home.

Being cold, windy and almost completely covered in ice. However, covered, but is also surrounded by ice! This surrounding ice band is type of sea ice that is highly mobile and moves with the wind and will also occur along the Antarctic coastline.

physically (shores or ice walls) and miles seaward I think it's always actually not! In Earth — receiving as the world's makes for a pretty features typically the coast to -76 °F regions; however, low as -112 °F (-80 °C) I thing Steve and have a thick layer of keep them nice and

Materials: Tube watercolors or tempera paint, ice cube tray, water, popsicle sticks

Directions:

1. Pour a few different combinations of paint mixed with water into an ice cube tray and put in the freezer.
2. When the water is partially frozen, insert popsicle sticks into the cubes.
3. Once the cubes are solid, use these "watercolor glaciers" to create your own Antarctic landscape below.

MY LANDSCAPE

Slide over to the next page and create your version of an Antarctic landscape using "glaciers" from your own freezer!



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