

ABCs of Biodiversity



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Curated by Ryan Somma

Ideonexus.com

This book is another tool in the myriad strategies we parents use to teach our children. The ebook format allows something print books don't: an alphabet book with 10 examples of each letter. This means there are 260 images in this book. That can be quite overwhelming, but that's nothing compared to the Earth's actual biodiversity.

There are a lot of ways you can read this book with your children. You can pick a letter to more deeply immerse in for a sitting. You can read through the pages and slides quickly, enjoying the occasional alliterations and novel syllable sounds. You can pick an animal as a launching point for further exploration. Or you could even download the source files and add/remove organisms to your liking. Teaching should be about parents having fun as much as children. Have fun with it.

This book was curated entirely out of my gut-feelings. Organisms were added and removed based on their novelty, sounds in their names, and availability. You'll notice that some letters get a little erudite, resorting to taxonomy names and overly-exotic name to reach 10 example. I apologize for that, but it's also an opportunity for readers to quest for more organisms themselves.

The "by Ryan Somma" in this book is quite the overstatement. All I have done is to compile the photographs of generous flickr users who have licensed their work Creative Commons, allowing me to use them in this book under the conditions that I provide credit and not ask for payment. This book is free for you to use, the Power Point File is available at my website for you to take and modify, and links to all original photos are provided in the back of the book. Please respect the licenses as they are listed on their source-pages.

Most of all: Enjoy!

A

Alpaca





Amoeba

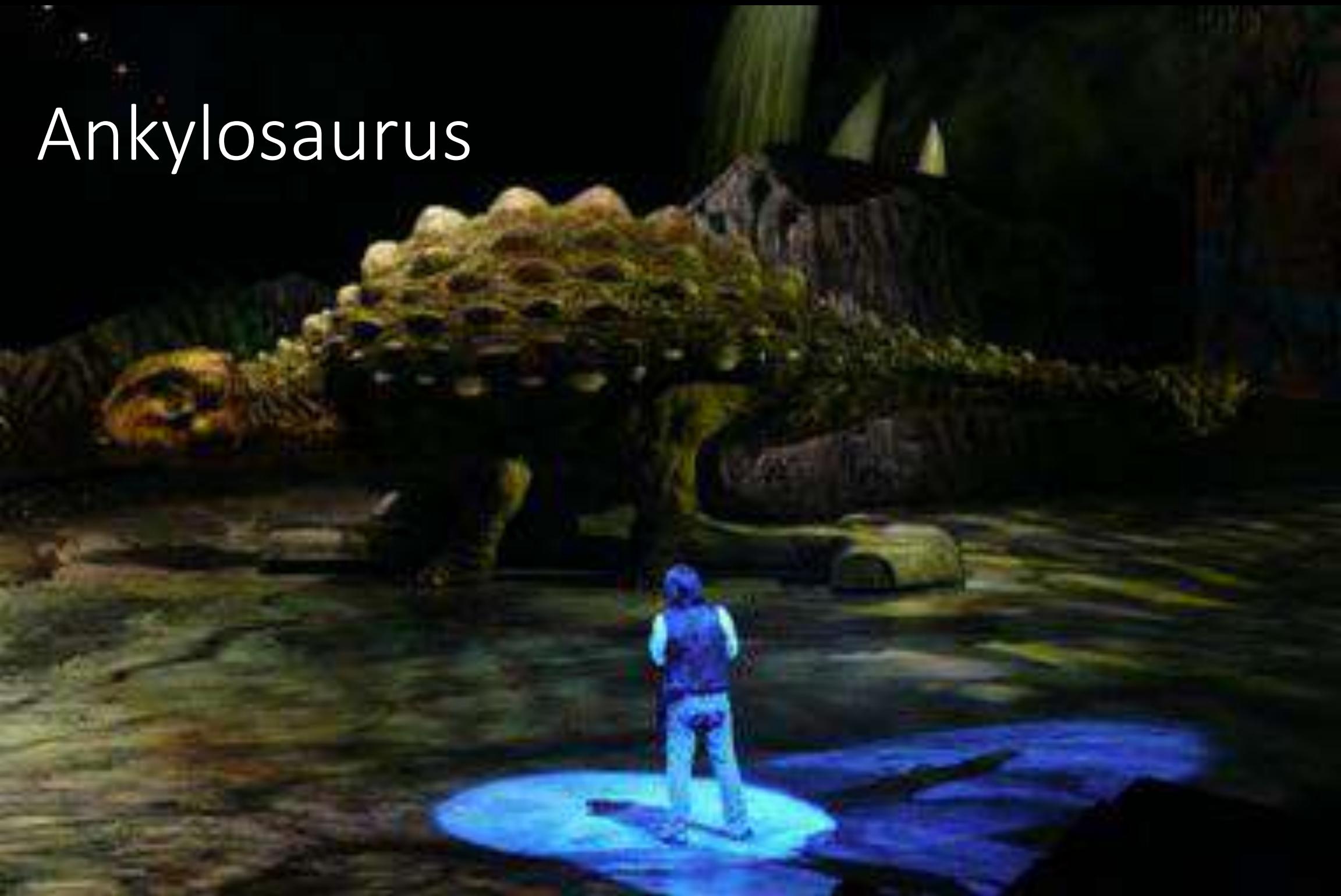
A close-up photograph of a vibrant red and yellow striped anemone. The anemone's tentacles are retracted, showing their internal structure and the bright, iridescent colors of the body. The background is dark, making the anemone stand out.

Anemone



Angelfish

Ankylosaurus





Ant



An anteater

Apatosaurus





Ape

Armadillo



B

Baboon





Bandicoot

A photograph of two brown bears in a forest. One bear is in the foreground, facing right with its mouth wide open as if yawning or roaring. Its fur is a rich, reddish-brown color. The second bear is positioned behind it, also facing right, with its head turned slightly towards the first bear. The background is filled with dense green trees and foliage, suggesting a natural habitat like a forest or a wildlife reserve.

Bear

Beaver

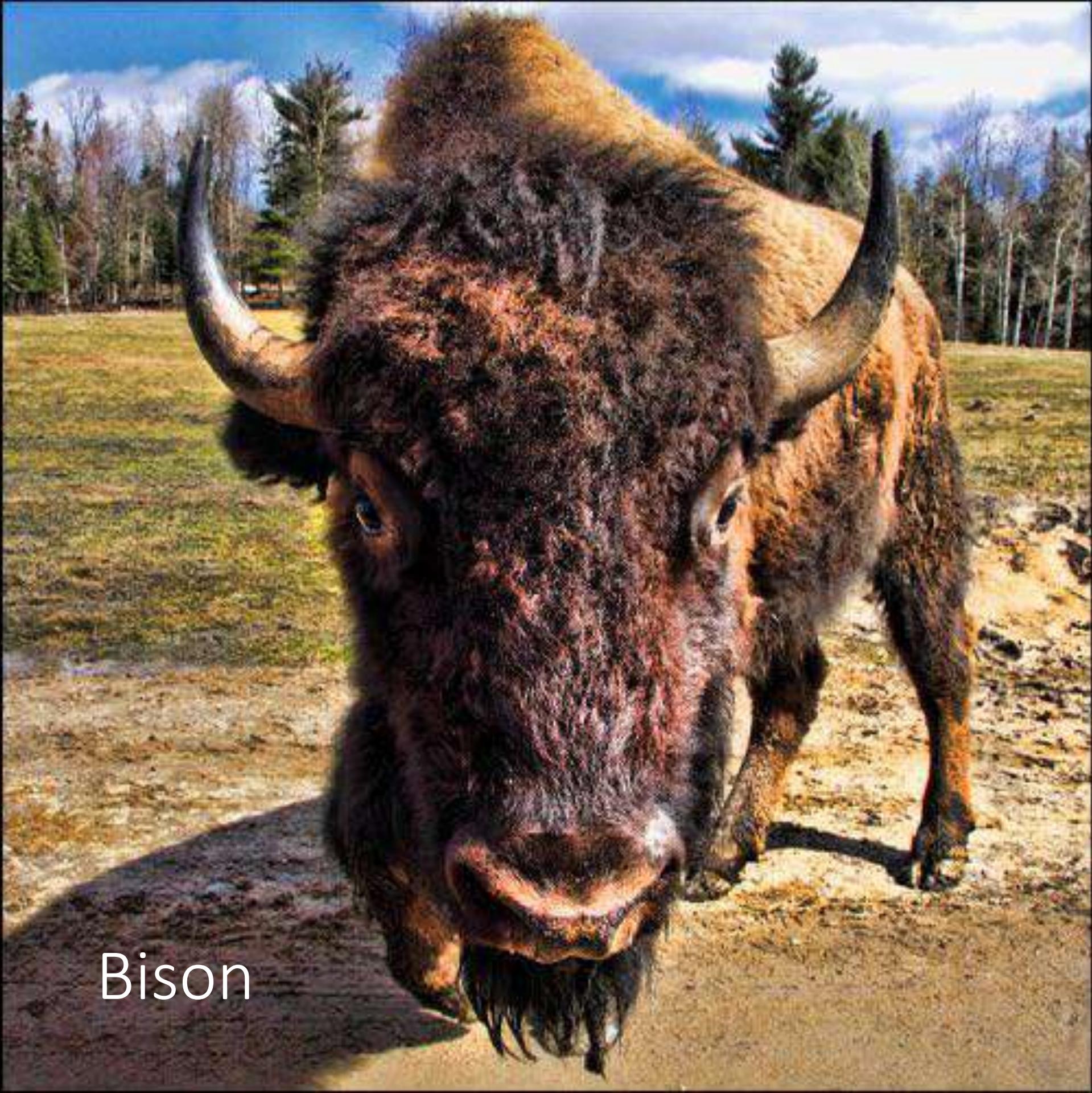


Bee



Beluga Whale





Bison

Bobcat



Bongo



Butterfly



C

Cardinal



Caterpillar





Centipede

Chestnut



Chipmunk





Cicada

A close-up photograph of numerous clam shells piled together. The shells are circular with prominent radial growth lines and a mottled color palette ranging from light beige to dark brown. The lighting creates highlights along the ridges and shadows in the valleys of the shell surface.

Clam

Clover



Conch



Crab





Deer



Dingo



Dodo





Doedicurus

Dolphin



Donkey





Dove

Dragonfly



Duck



A close-up photograph of a dugong swimming in clear, shallow blue water. The dugong's light-colored, textured skin is visible, along with its dark flippers and tail. It is facing towards the right of the frame. Bubbles are scattered around it, particularly near its head and flippers.

Dugong

F

Eagle





Earthworm



Echidna

Edentata



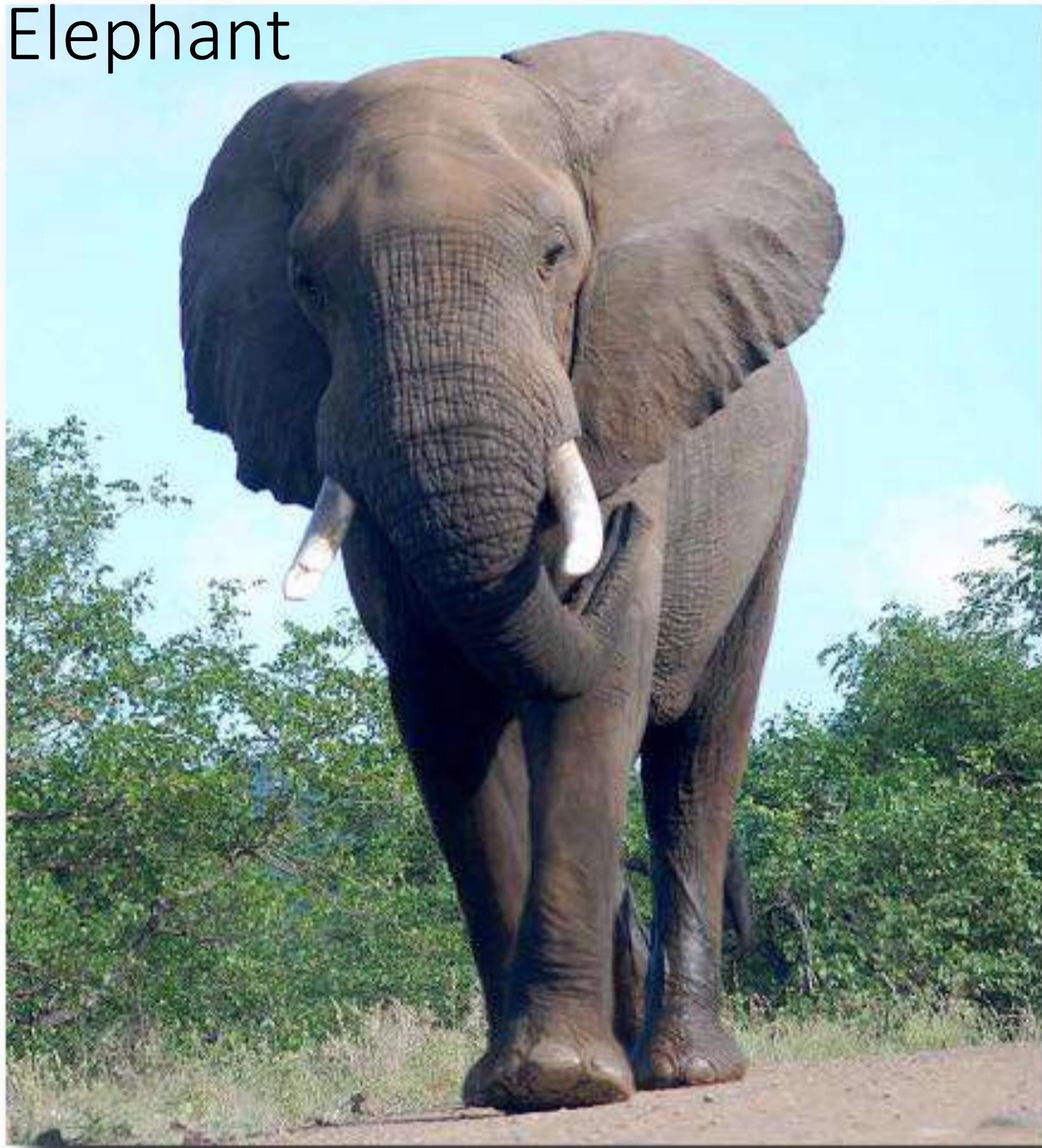
Eel





Egret

Elephant



Elk



Eohippus



Ermine



F

Falcon



Fennec
Fox



Ferret





Firefly

Flamingo





Fly

Fossa



Frilled Lizard



Frog



Fruit Bat



G

Gazelle



Gila
Monster



Giraffe

Glasswinged Butterfly





Goat

Goldfinch



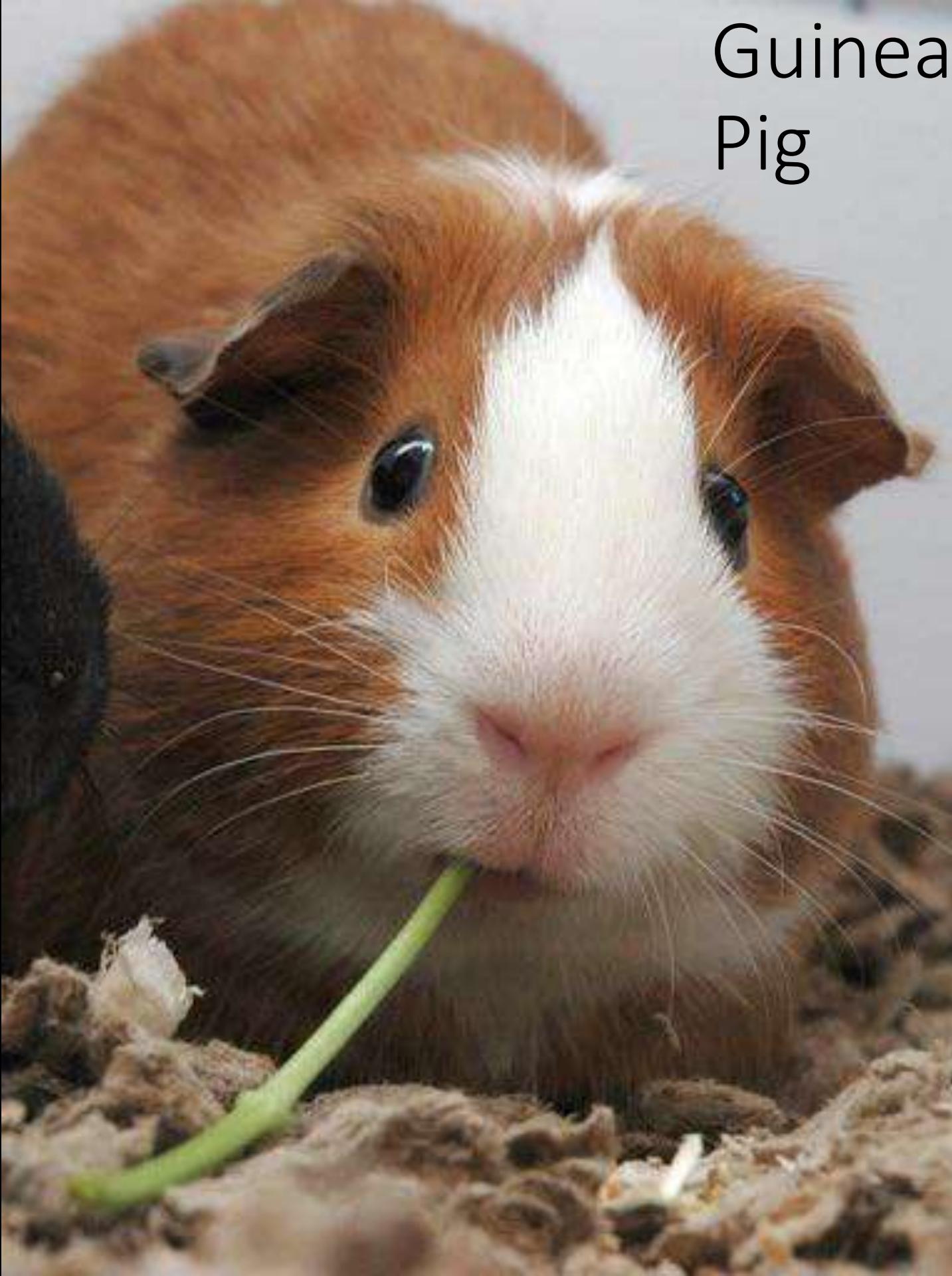
Gorilla



Grasshopper



Guinea Pig





Gull

H



Hammerhead
Shark



Harbor
Seal



Hedgehog



Hermit
Crab

Heron



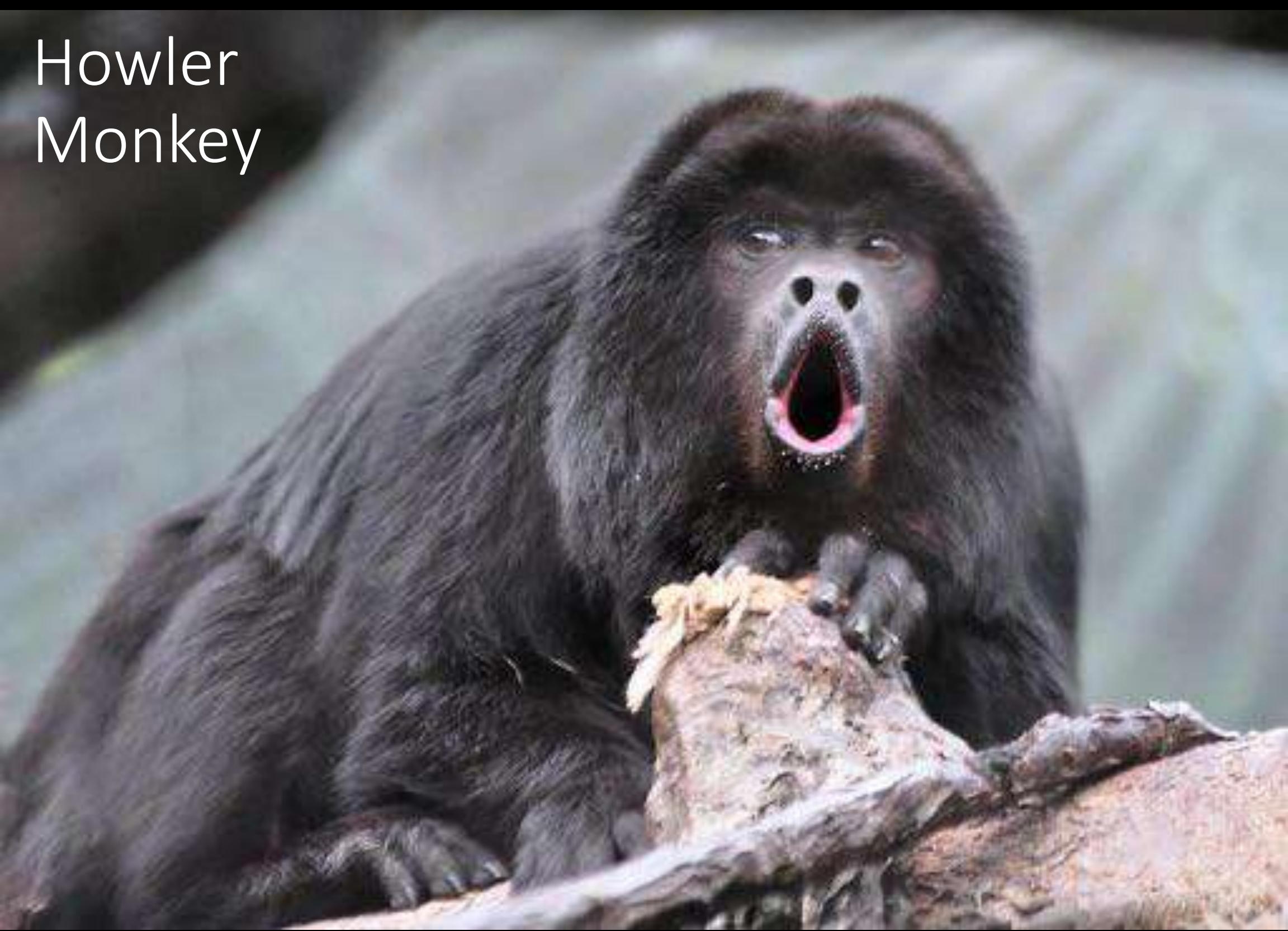
Hippopotamus



Horse



Howler Monkey





Hummingbird

Humpback Whale





Ibex



Ibis





Ichthyosaurus

Iguana



Iguanodon



Impala





Imperator
angel

Indri



Isopod



Ivory-billed woodpecker



J

Jack
Rabbit



Jackal



Japanese Macaque





Jaguar



Javelina



Jay

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PHOTOGRAPHY

Jellyfish

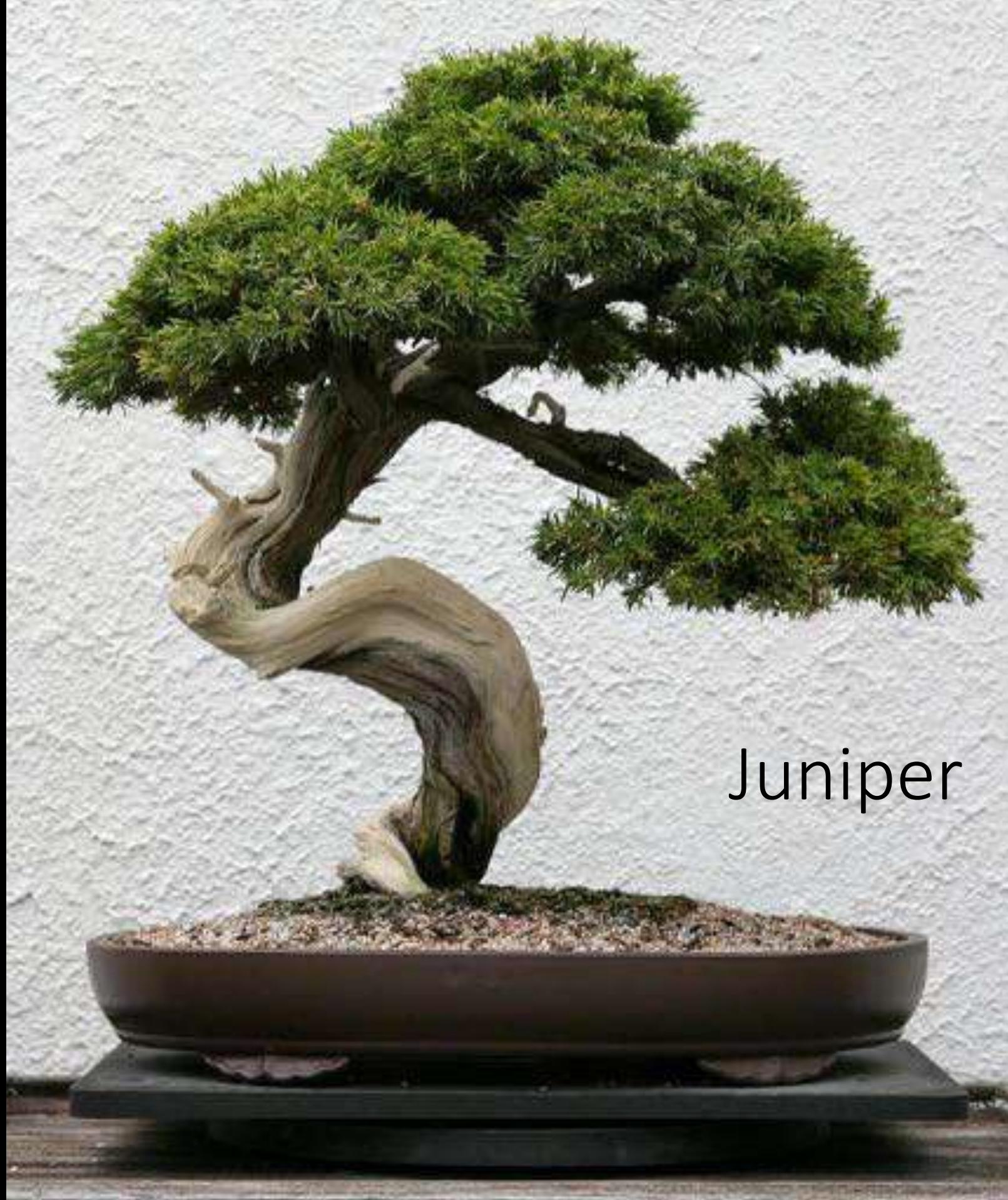




John
Dory

Junco





Juniper

K

A Kakapo parrot stands in a dense forest of tall, green trees. The bird has a large, robust body with mottled brown, tan, and grey feathers. Its head is small with a hooked beak. It is positioned in the center of the frame, facing slightly towards the camera. The background is filled with the intricate textures of tree bark and foliage.

Kakapo

A photograph of three kangaroos in a grassy field. Two kangaroos are in the foreground; one is jumping over a wire fence, and the other is standing behind it. A third kangaroo stands further back on the right side of the frame. The background is a green, hilly landscape.

Kangaroo

King
Cobra



King Crab



Kinkajou





Kiwi

Koala



Komodo Dragon



A close-up, low-angle shot of a large school of krill swimming in the ocean. The krill are translucent blue-green with distinct red eyes and dark spots. They are densely packed, creating a sense of movement and depth. The background is a deep, dark blue.

Krill

Kronosaurus





Ladybug





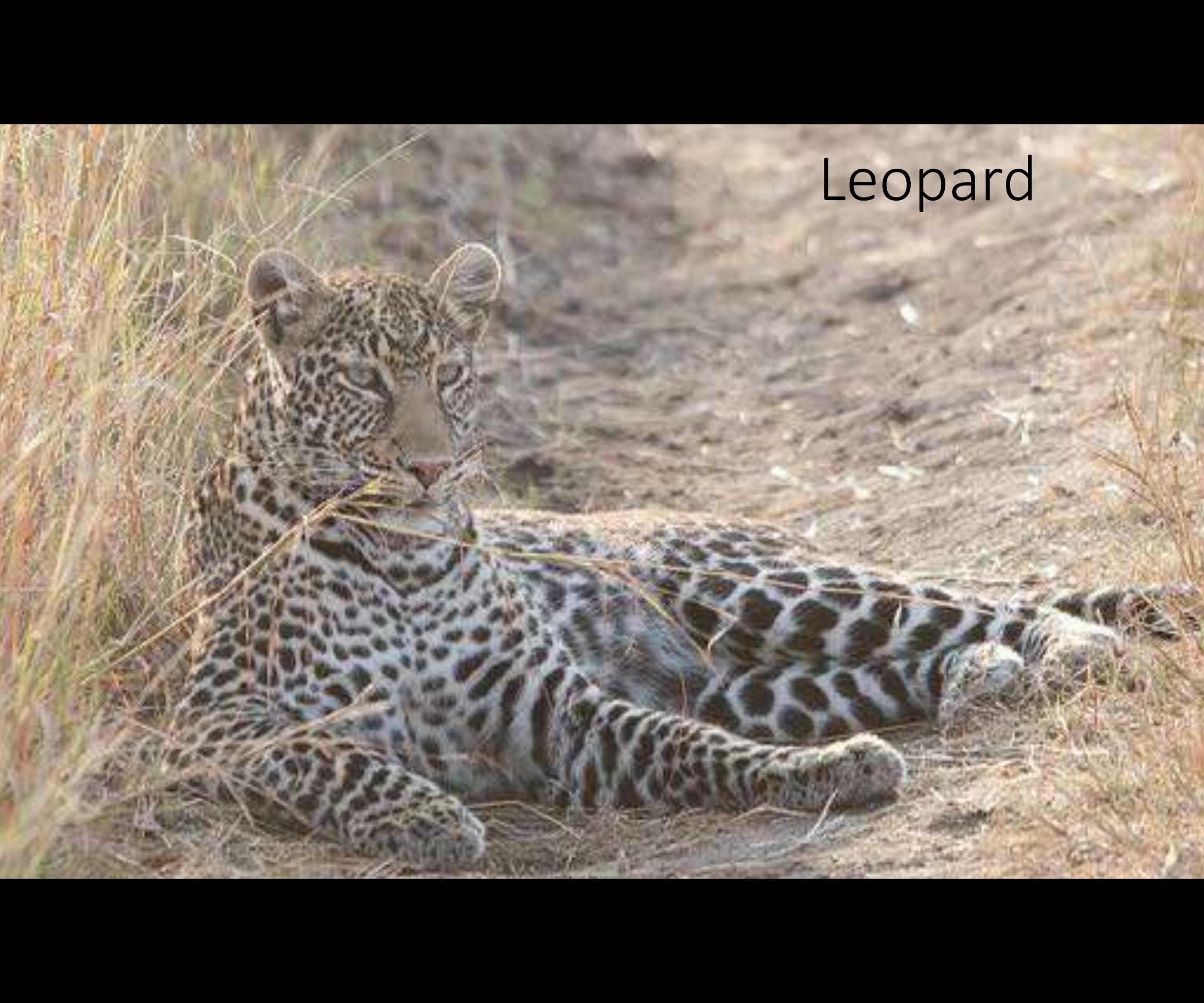
Lantern Fish

Leghorn





Lemur



Leopard

Lion



Llama



Lorikeet





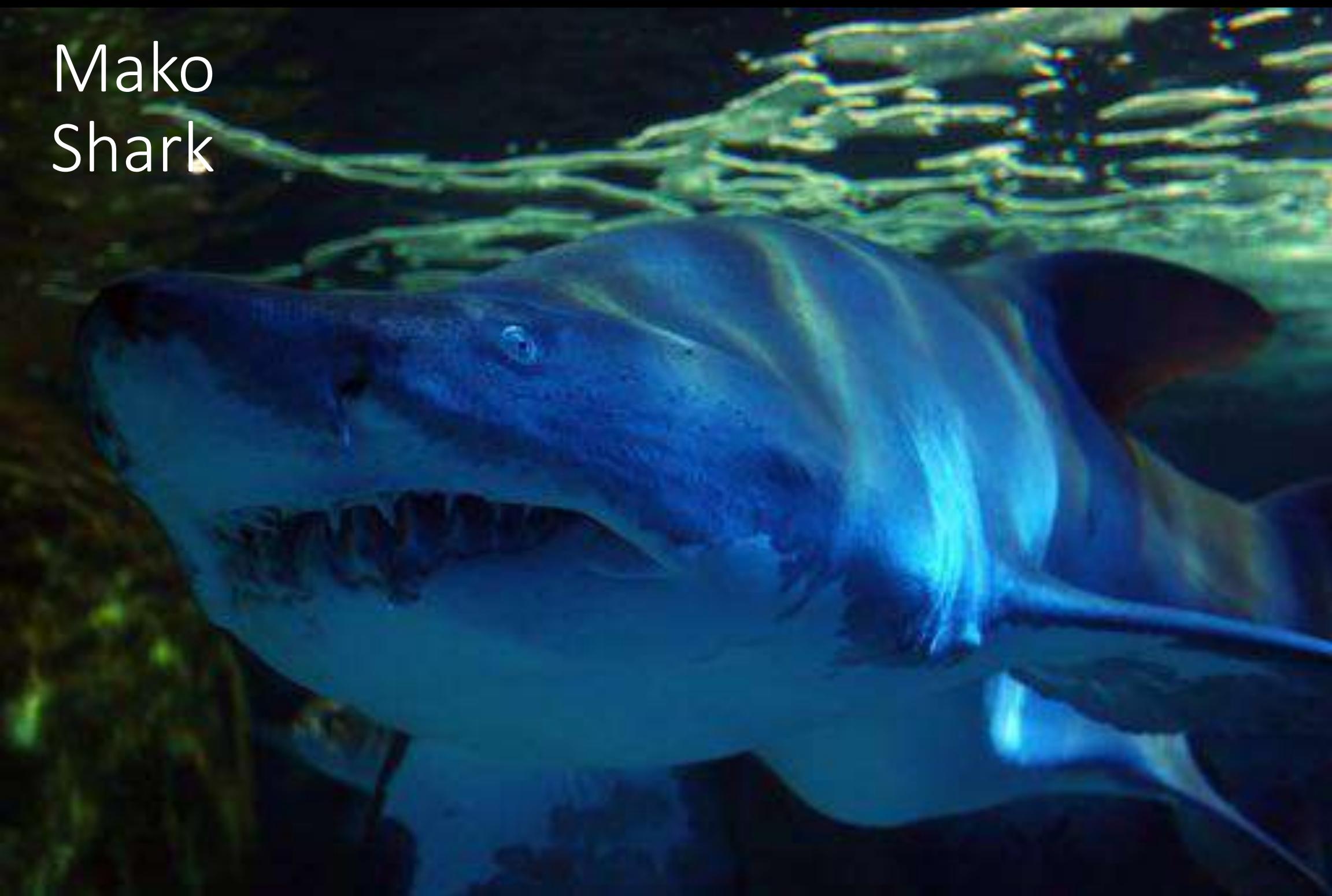
Luna
Moth

Lynx



N

Mako
Shark



Manatee



Man-o-War



Manta
Ray



A close-up photograph of numerous mealworms, which are the larval stage of the beetle Tenebrio molitor. The worms are elongated, cylindrical, and segmented, with a light-colored body and darker, mottled patterns on their heads and prolegs. They are densely packed together, filling the frame.

Mealworm

A photograph of a group of meerkats standing on a rocky outcrop. One meerkat stands prominently in the foreground on the left, facing right. Behind it, four other meerkats are visible, all looking upwards towards the sky. The background consists of large, textured rocks.

Meerkat



Megalosaurus

Millipede





Moose

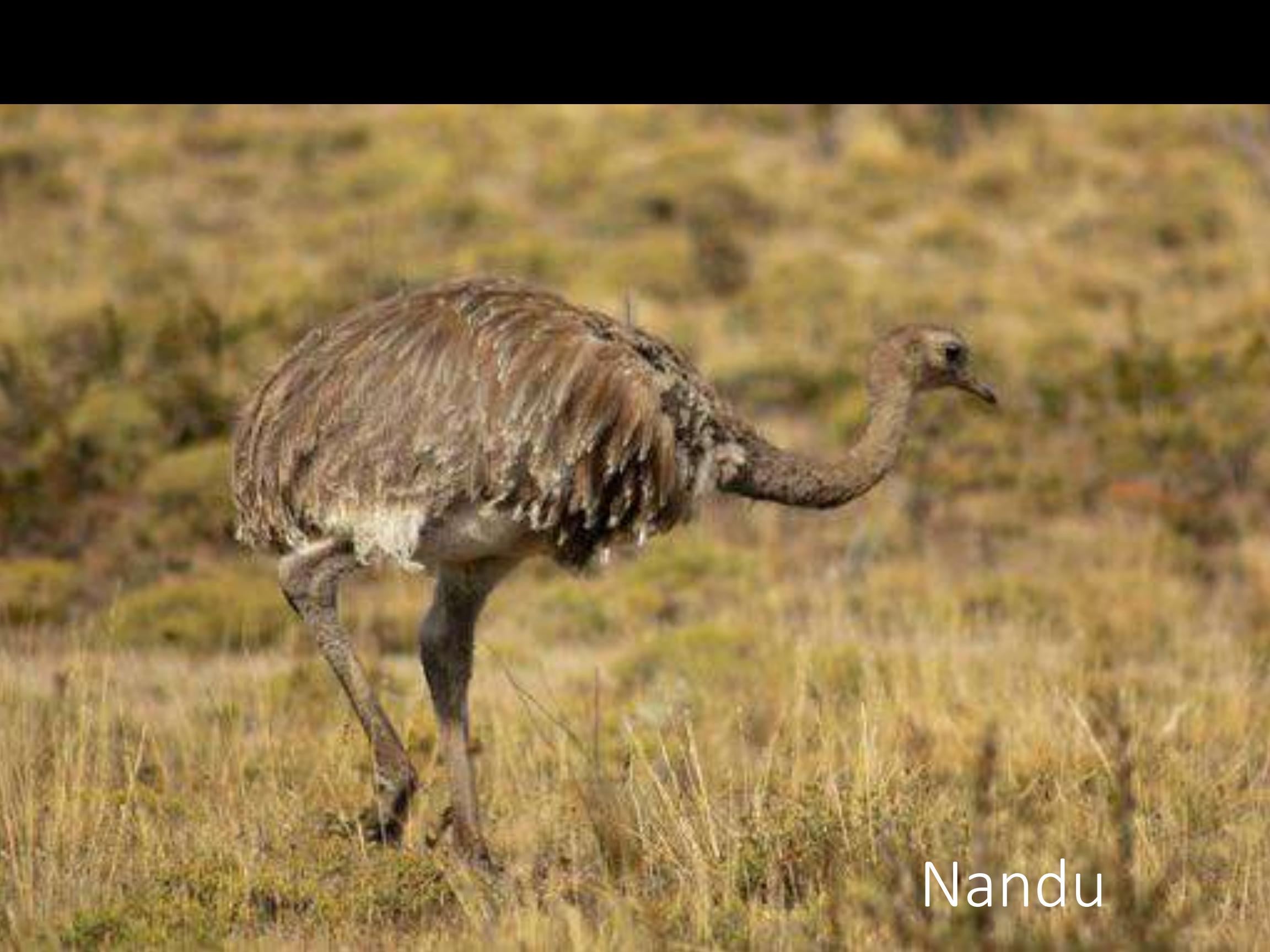


Mosquito

N

Naked Mole-Rat





Nandu

A close-up photograph of a naranjilla fruit, showing its spiky purple skin and yellow flesh.

Naranjilla

Narwhal





Nectarine

Newt



Noni Fruit



Numbat

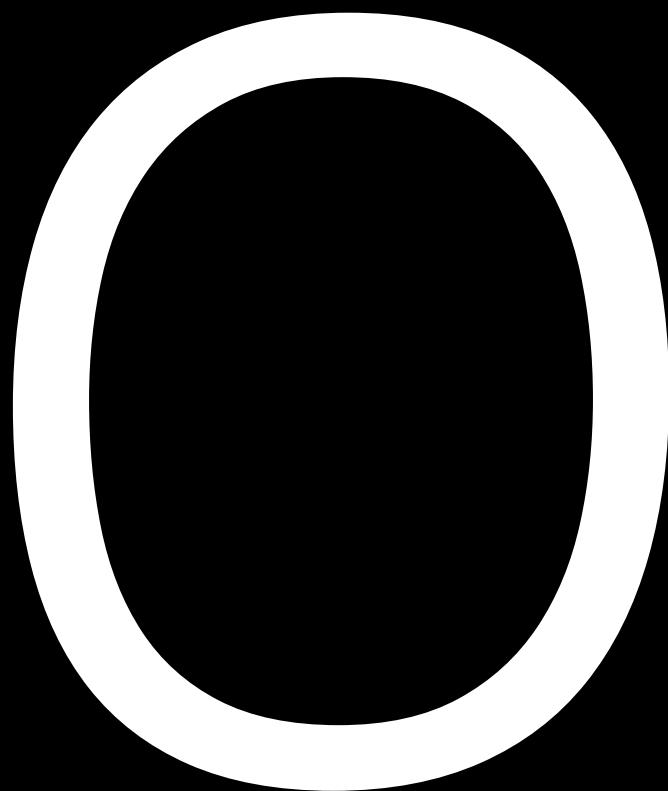


A close-up photograph of a Nuthatch bird clinging vertically to a tree trunk. The bird's body is oriented downwards, with its long, dark blue-grey wings and tail pointing upwards. Its head is black with a white patch above the eye, and its chest and belly are a bright, warm orange color. The tree trunk is textured and mossy. The background is a soft-focus blend of autumnal colors, including shades of yellow, orange, and red.

Nuthatch



Nutria



Ocelot



A close-up photograph of an octopus's tentacles and body against a dark blue background. The octopus's skin is textured with numerous small, circular suckers. The tentacles are primarily orange and yellow, with some purple and blue mottling. One tentacle is coiled tightly, showing its internal structure. The body is a large, rounded, blue-grey mass. The lighting highlights the moist, fleshy texture of the tentacles.

Octopus



Okapi

Orangutan



Orca



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Orchid

Ostrich

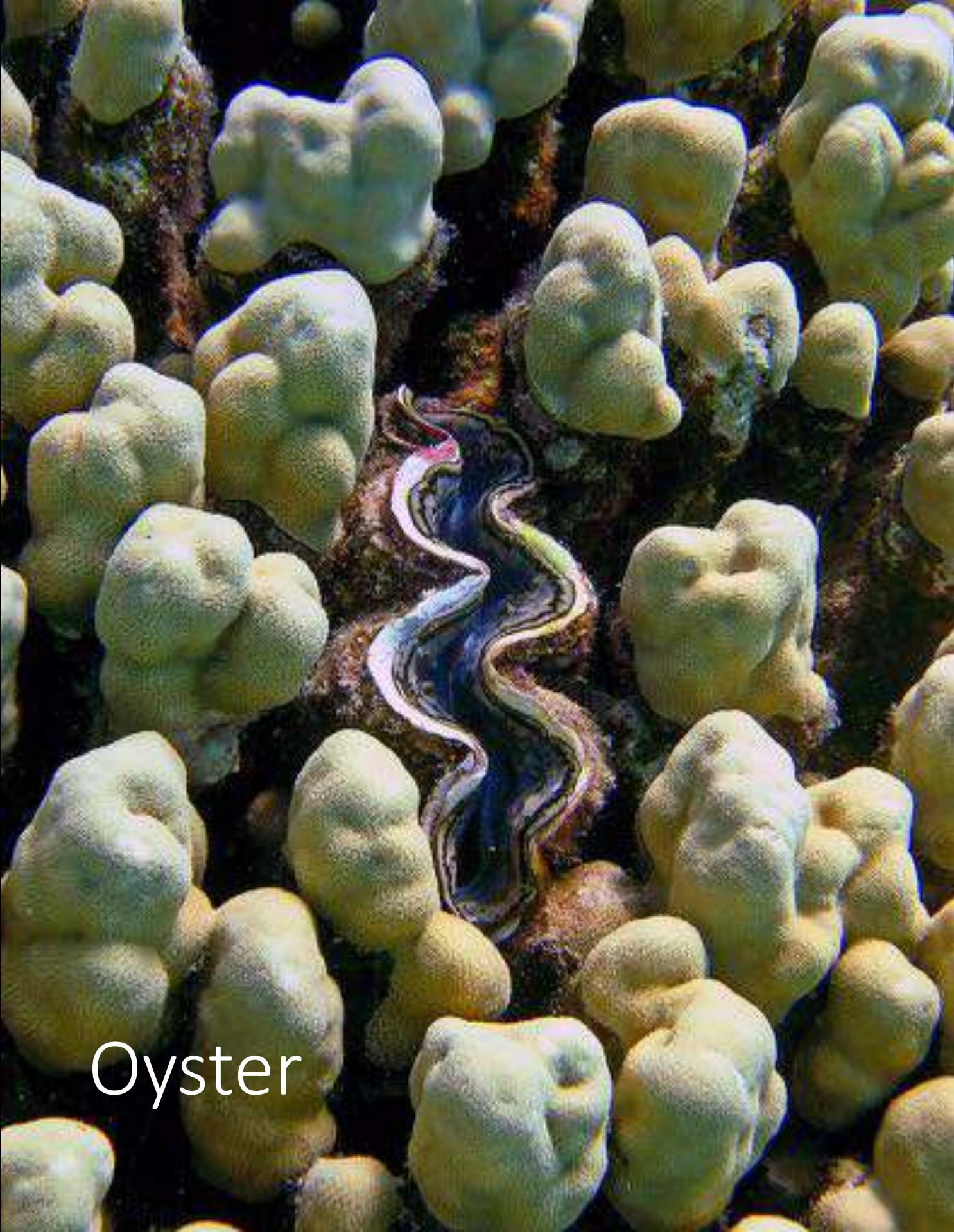




Otter



Owl



Oyster

P



Panda



Plankton



Polar
Bear

Porcupine





Possum

Praying Mantid





Pufferfish



Puffin

Puma



A close-up photograph of a bright green Python snake. The snake's body is coiled tightly around a dark, textured tree branch. Its scales are a vibrant lime green, with small, irregular white spots scattered across its head and neck area. The snake's eyes are visible, looking directly at the camera. The background is dark and out of focus, making the green snake stand out.

Python



Quagga





Quail

Quandong



Quaqua



© Martin Heigas

A large flock of Quelea birds is perched on the bare, tangled branches of a tree. The birds are small, with light-colored bodies and distinct red foreheads. They are densely packed on the branches, which are mostly bare, suggesting a dry season or a specific type of tree. The background is a soft-focus green, likely a grassy field.

Quelea

Quetzal





Quince

Quinoa





Quokka



Quoll

R



Rabbit



Raccoon

A close-up photograph of a rat standing on a patch of green grass. The rat has a dark brown or black back and a white belly. It is facing towards the right of the frame, with its head turned slightly upwards and to the right. Its large, pink ears are prominent, and it has a dark eye. Whiskers are visible on its face. The background is a soft-focus green field.

Rat

Rattlesnake



Reindeer





Red Panda

Rhamphorhynchus





Rhea

Rhinoceros



A side-view photograph of a roadrunner standing on a light-colored, sandy surface. The bird has a long, pointed beak and a long, deeply forked tail. Its body is covered in dark, iridescent feathers with prominent light-colored, horizontal streaks. It is looking towards the left of the frame.

Roadrunner

S



Salamander



Sand
Dollar

Scorpion





Seahorse



Skunk



Snail

Squid





Starfish

Sunflower



Swan



T



Tamarin



Tarantula

Toucan



Trilobite

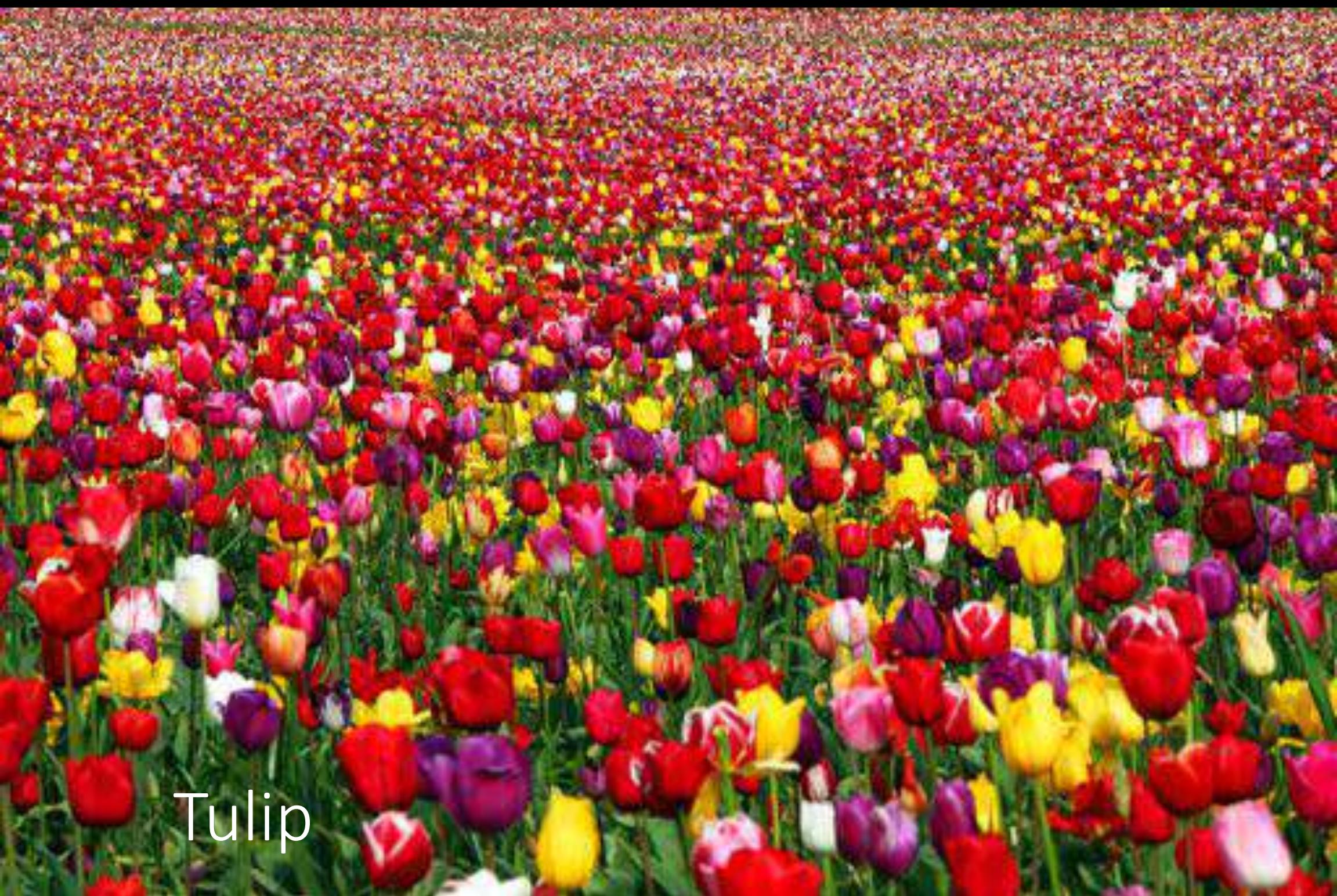


Trout



Tuatara





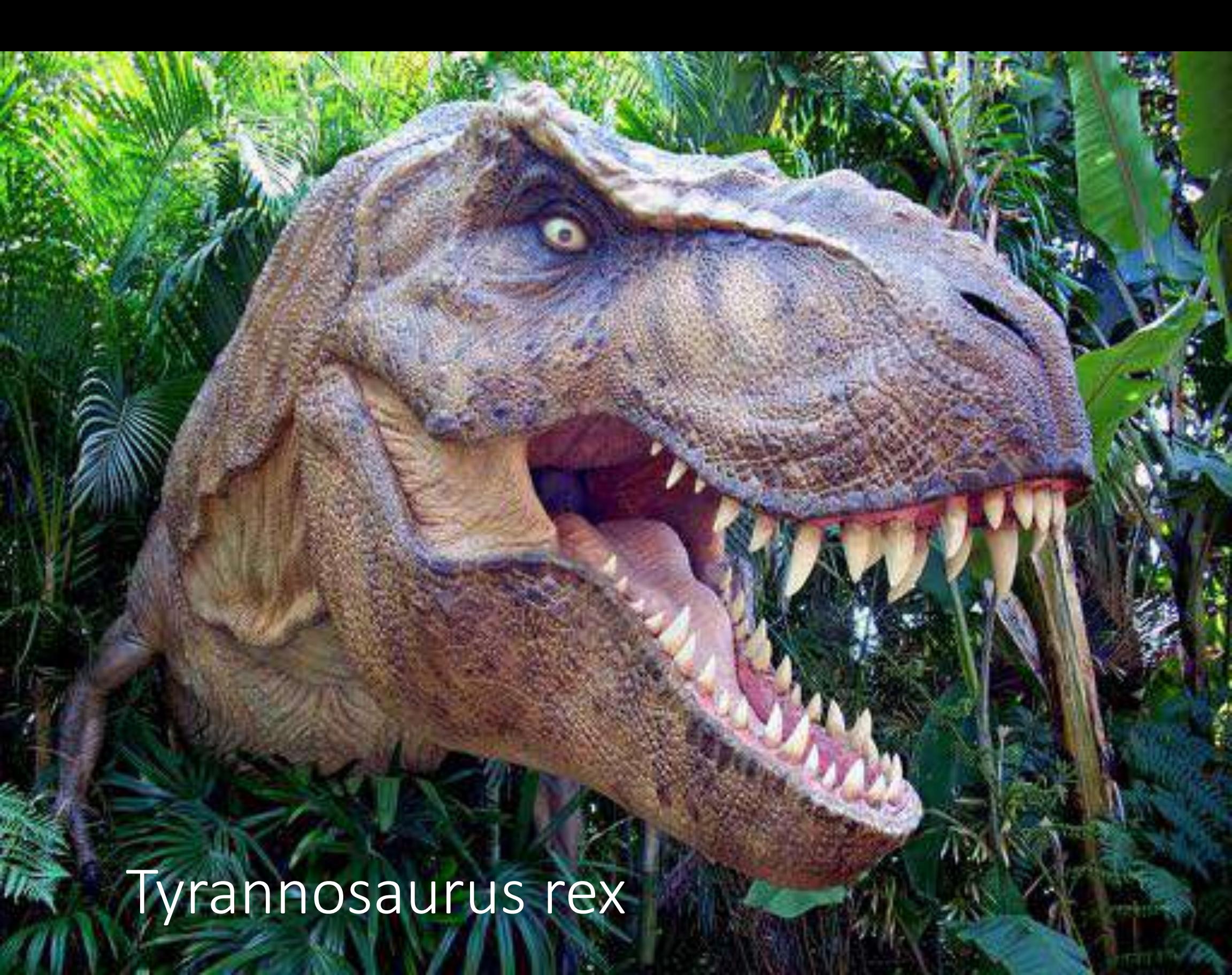
Tulip

Turkey



Turtle





Tyrannosaurus rex

U

Uakari





Uebelmannia

Ugni



A close-up photograph of a Ulysses Butterfly resting on a cluster of bright red, star-shaped flowers. The butterfly's wings are primarily black, with large, iridescent blue patches on the forewings and smaller blue spots on the hindwings. Its body is dark, and its antennae are visible. The background consists of large green leaves, creating a lush, tropical feel.

Ulysses Butterfly



*Umbellularia
californica*



Umbrella
bird

Umbrette



A photograph showing a dense growth of tall, thin, blade-like plants, likely Uncinia, covering a hillside. The plants are green at the top and transition to a lighter, yellowish-green towards the base. In the background, a forest of tall, slender trees with light-colored bark is visible, creating a textured backdrop.

Uncinia

Urchin





*Uvularia
sessilifolia*

V

Valeriana



A close-up photograph of a vampire bat's head. The bat has dark brown fur on its back and a lighter, reddish-brown patch on its neck. Its mouth is wide open, revealing a set of sharp, white fangs and a pink tongue. The background is plain white.

Vampire
Bat



Vanilla



Veiled
Chameleon



Velociraptor

Viceroy
Butterfly





Vinegarroon



Viola



Vulcanodon

Vulture



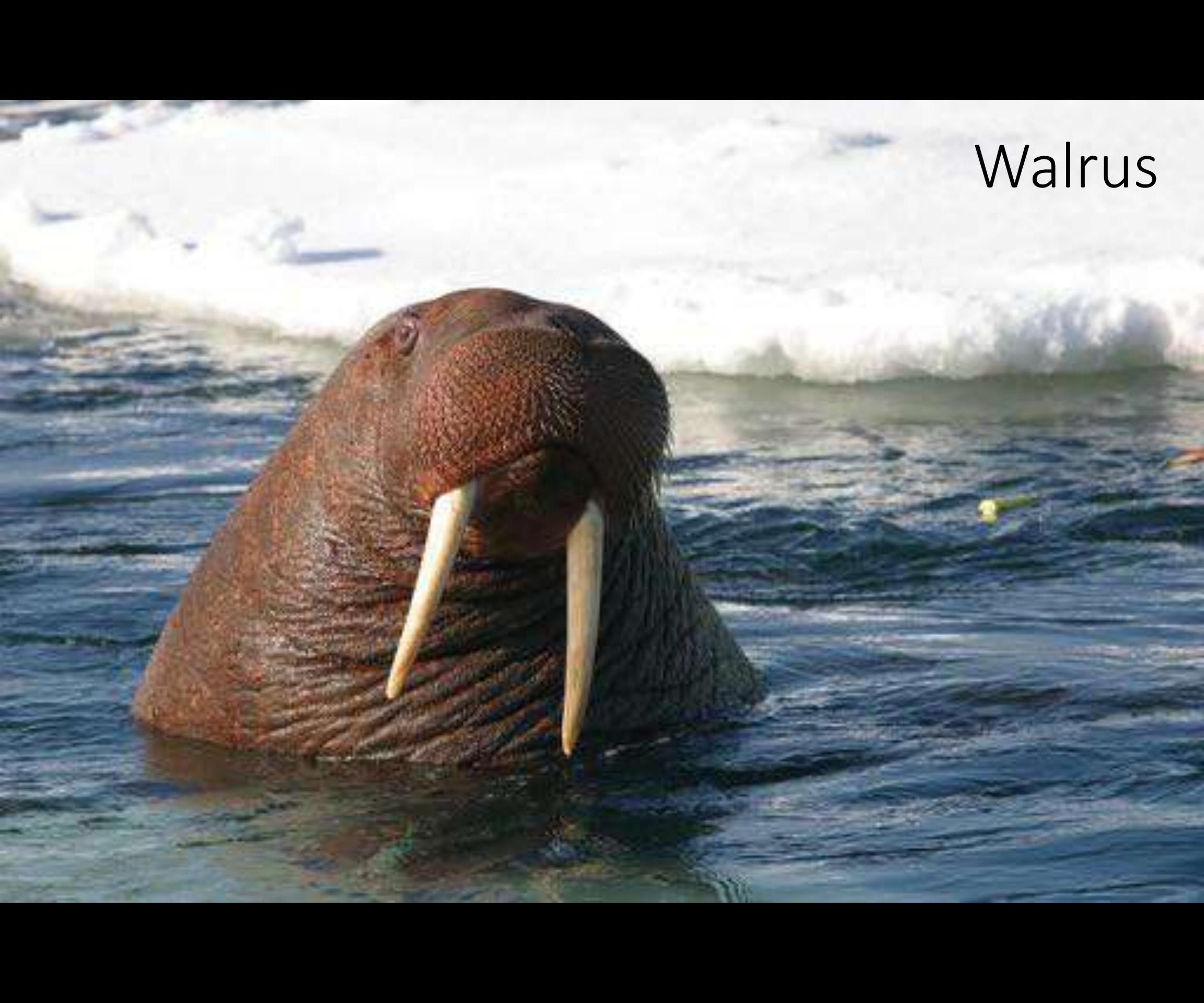
W

Walkingstick



Wallaby



A walrus is shown from a side-on perspective, its large, textured body partially submerged in the ocean. The walrus's skin is a mottled reddish-brown color, with darker, almost black, patches on its back and head. Two long, white tusks extend from its mouth area. The ocean around it is a deep blue with white-capped waves. In the background, a small boat with several people is visible on the horizon under a cloudy sky.

Walrus

A photograph of a group of warthogs in a lush green forest. One large warthog is in the foreground, facing the camera. It has a dark brown body, two small ears, and two prominent tusks. Behind it, several smaller warthogs are visible, some facing away and others partially obscured. The background is filled with dense green foliage and trees.

Warthog

Wasp





Weasel



Whale

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Whelk

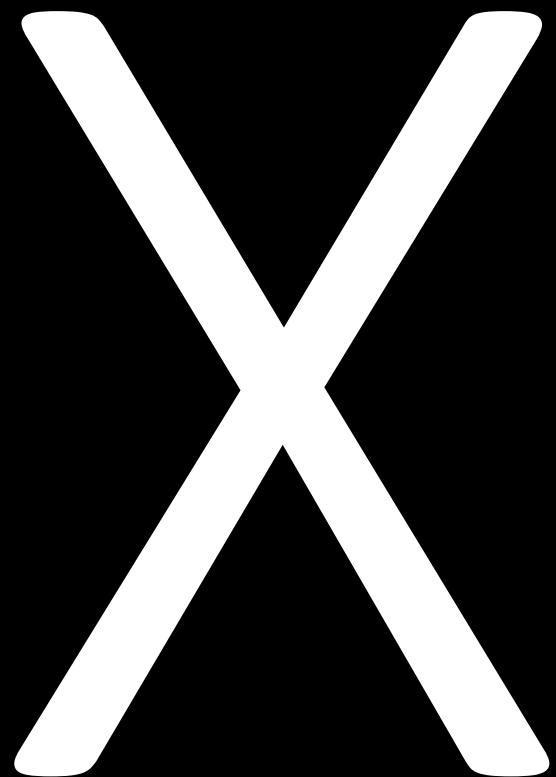




Wolf



Wombat





Xanthoceras

Xanthosoma



Xanthostigma



Xantus



Xenarthra



Xenoposeidon



Xenops



Xenopus



Xeronema



A photograph of two X-Ray fish swimming in an aquarium. The fish have transparent bodies with internal organs visible, including their hearts and intestines. They are silvery with dark vertical stripes and long, thin dorsal and anal fins. They are swimming in a tank with green plants and rocks.

X-Ray fish

Y

Yaffle



Yak



A close-up photograph of a Yellow-Eyed Penguin (Hoiho) standing in dense green grass. The penguin has dark grey-blue feathers on its body, a white patch on its forehead, and a distinctive yellow ring around its eye. Its large, hooked orange-red beak is slightly open. The background is filled with blades of grass.

Yellow-Eyed Penguin

Yellowlegs



Chaq Von Roosbach

<http://www.birdspottit.com>

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Yew

Ynambu





Yowe

A photograph of a Yucca plant, also known as a Joshua tree, set against a clear blue sky. The plant has a thick, textured trunk and several branches ending in clusters of sharp, yellowish-green spines. In the background, dark, silhouetted mountains are visible under a few wispy clouds.

Yucca



Yulan

Yushania



Z

A close-up photograph of a Zamia plant. The image shows several clusters of large, green, cycad-like leaves with distinct serrated edges. Two prominent, brown, cone-shaped inflorescences rise from the foliage. The lighting highlights the texture of the leaves and the unique shape of the cones.

Zamia

Zander



Zebra



Zebu





*Zenobia
pulverulenta*



Zooplankton

Welcome Images

Zorilla



Zorro



Zygopetalum



Zyzyva



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