

Kaotic MYTHICALS

Classroom Program

We bring the magic of our activities to the classroom.



SYNOPSIS

- Make something.
- Get your fairy or elf name.
- Learn about & become science fur detectives.
- Learn about what trees provide for us.
- Learn about different mythical creatures.
- Learn about insects.
- Learn how researchers used to gather collections in the field.
- Learn about a few things used on tall ships.
- Learn about Celtic Explorers.
- Have something to take home to remember our visit.



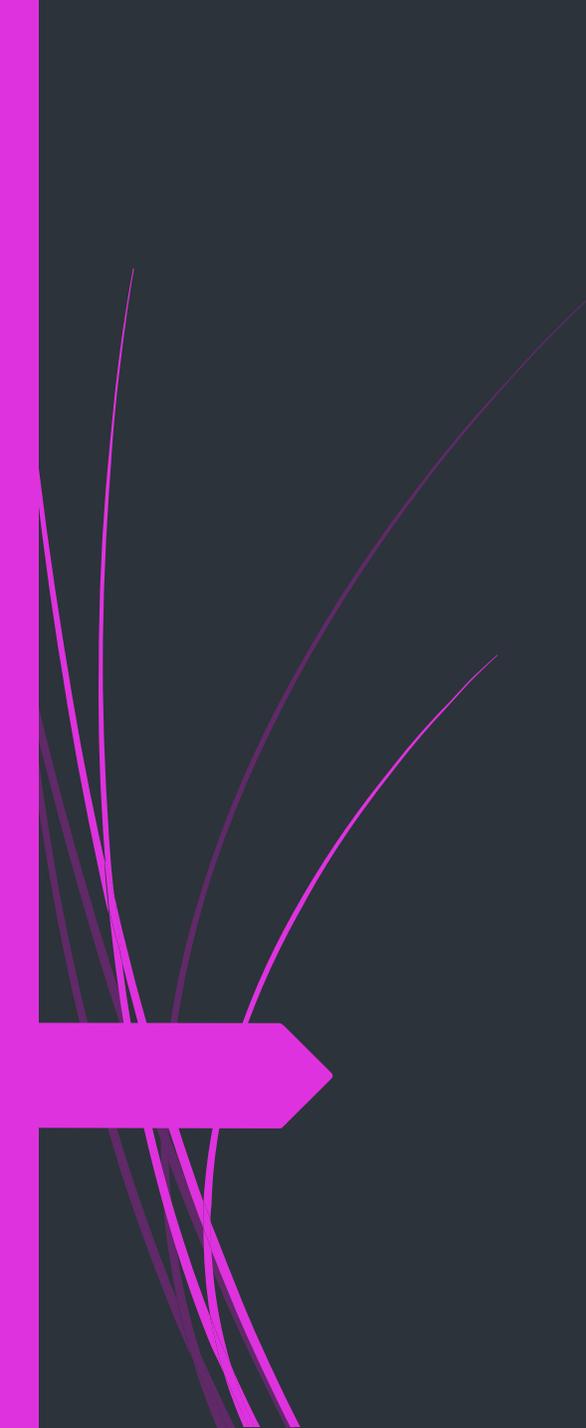
OPENING

Welcome to the wonderful world around us. We are going to introduce you to many amazing things & go on an adventure.

Let's all sit up in our chairs, no slouching. We are going to put on our listening ears. If we have an answer to a question, we are going to quietly raise our hands & patiently wait to be called upon, no shouting out answers please.

Are you ready to explore some fantastical things ?

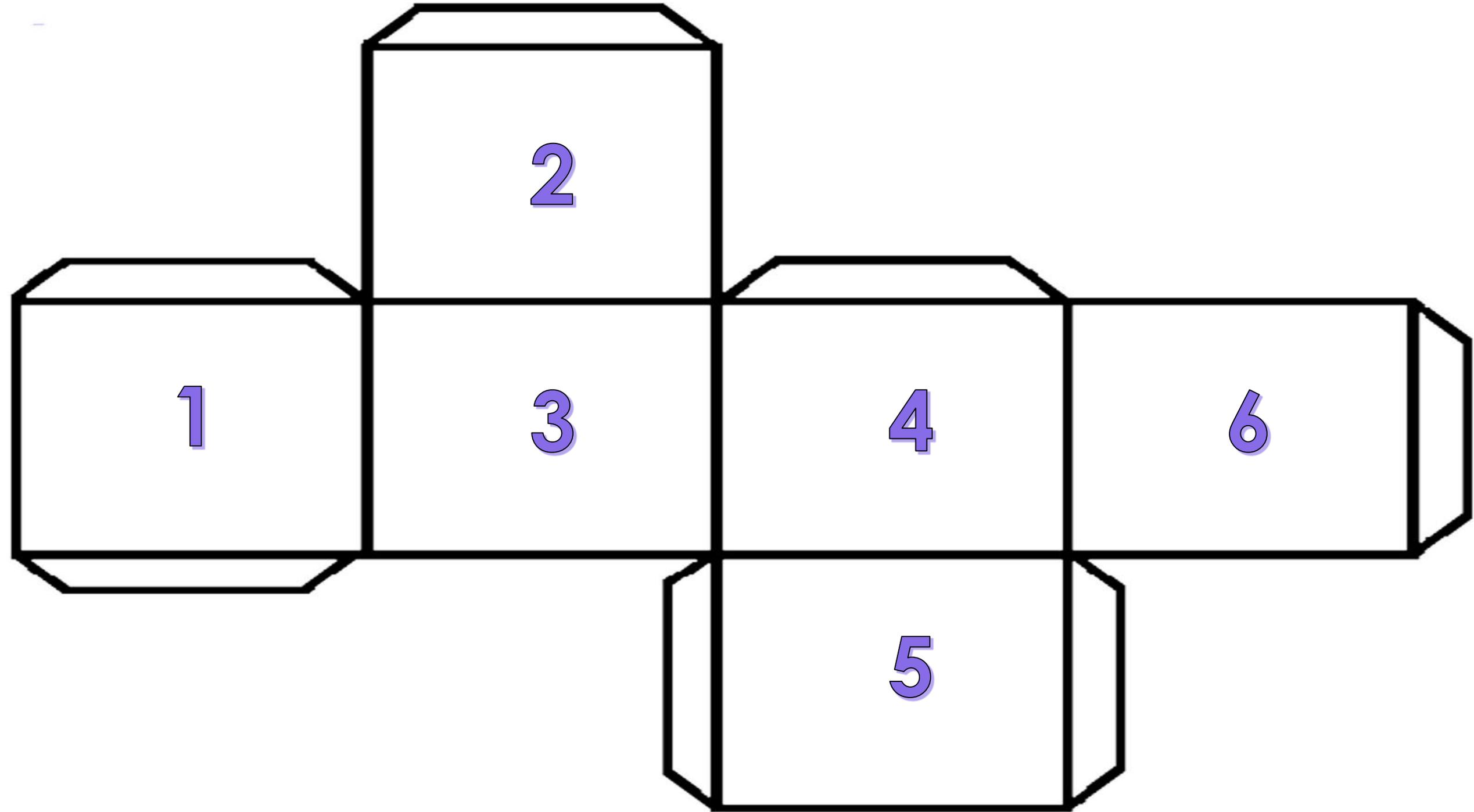
Before we begin our adventure, we need to make you part of the Fae.

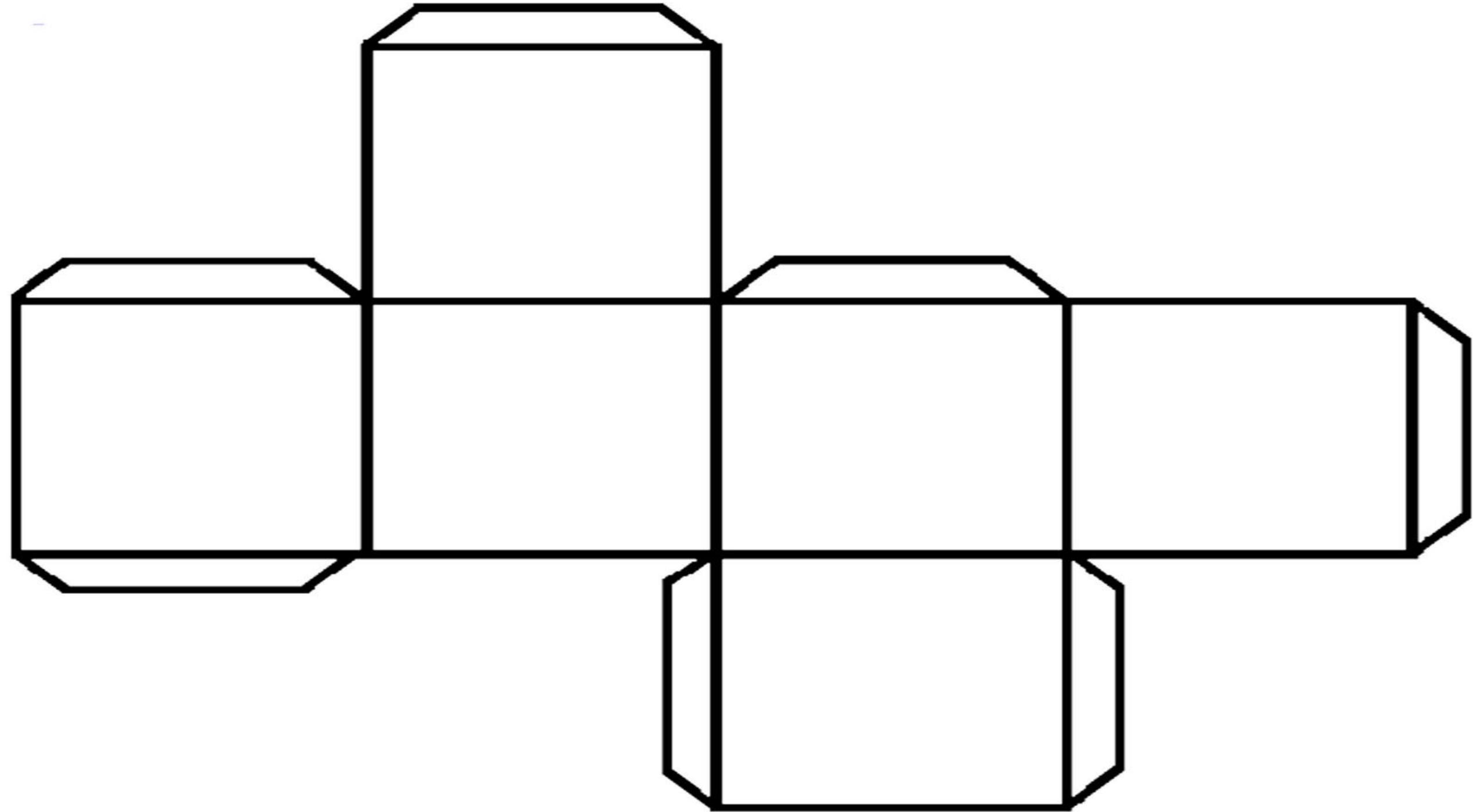


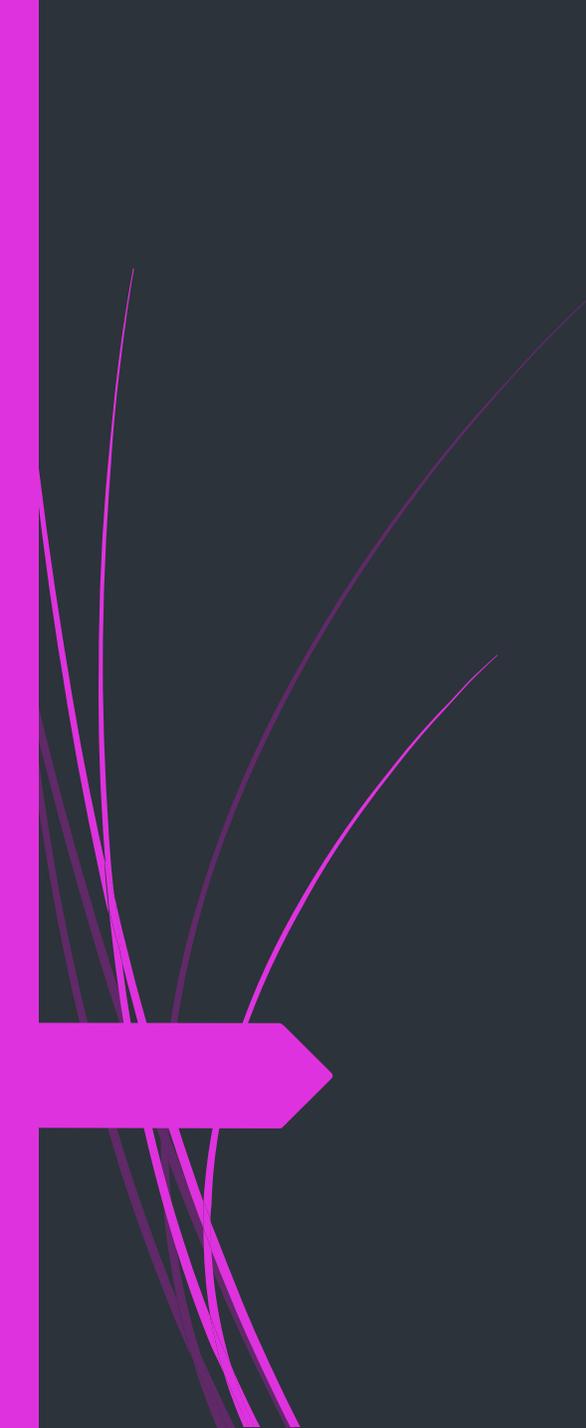
CRAFT

MAKE DICE

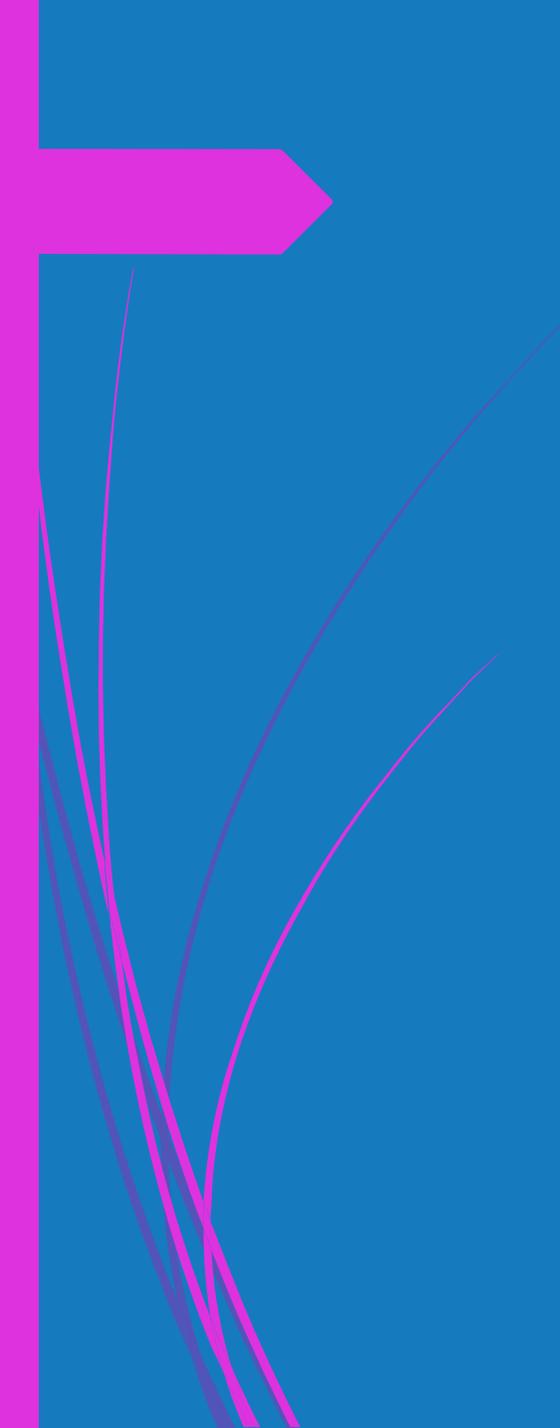
- We are going to have fun with a craft project!
- In any order on your die write the numbers in the boxes or mark to indicate: 1, 2, 3, 4, 5, 6.
- You can make dots, circles, Xs, checkmarks, write the numbers in the boxes, use roman numerals, whatever you like as long as you can tell which is each number.
- You can come back later and color them.
- Cut out the template & fold on the lines.
- Tuck in the tabs & you are ready to roll.







GAME



ROLL THE STONES

- To be inducted into the Fae world, you need to have a Fae name.
- Roll the stone not once, but twice & add up the 2 rolls.
- Write down your added number to get your Fae first name.
- Now roll the stone 2 more times & add up the 2 rolls for your Fae last name.
- Write down your added number for your Fae last name.
- Do you want to be a fairy or do you want to be an elf?

Now we will determine your Fae Name:

FAIRY

First Name

2 = BENEVOLENT

3 = BRILLIANT

4 = FLIGHTY

5 = MISTY

6 = MOSSY

7 = RAINBOW

8 = MYSTIC

9 = ROSEY

10 = SMOKEY

11 = SUNNY

12 = SWEET

Last Name

2 = AMBER

3 = CORAL

4 = CRYSTAL

5 = FLOURA

6 = GARNET

7 = RAINBOW

8 = HELIA

9 = IVY

10 = LILAC

11 = OLEANDER

12 = PEARL

ELF

First Name

2 = BENEVOLENT

3 = BOMBY

4 = MERKY

5 = MYSTIC

6 = NIMBLE

7 = ROCKY

8 = SANDY

9 = SILKEY

10 = SMITHY

11 = SMOKEY

12 = SUNNY

Last Name

2 = ALBERICH

3 = CYGNUS

4 = ELWEARD

5 = DAWN

6 = GANDALFR

7 = HURIKAN

8 = LOKI

9 = NIMBUS

10 = OBERON

11 = OLAF

12 = TYLWYTH



NATURAL

HISTORY

IDENTIFICATION



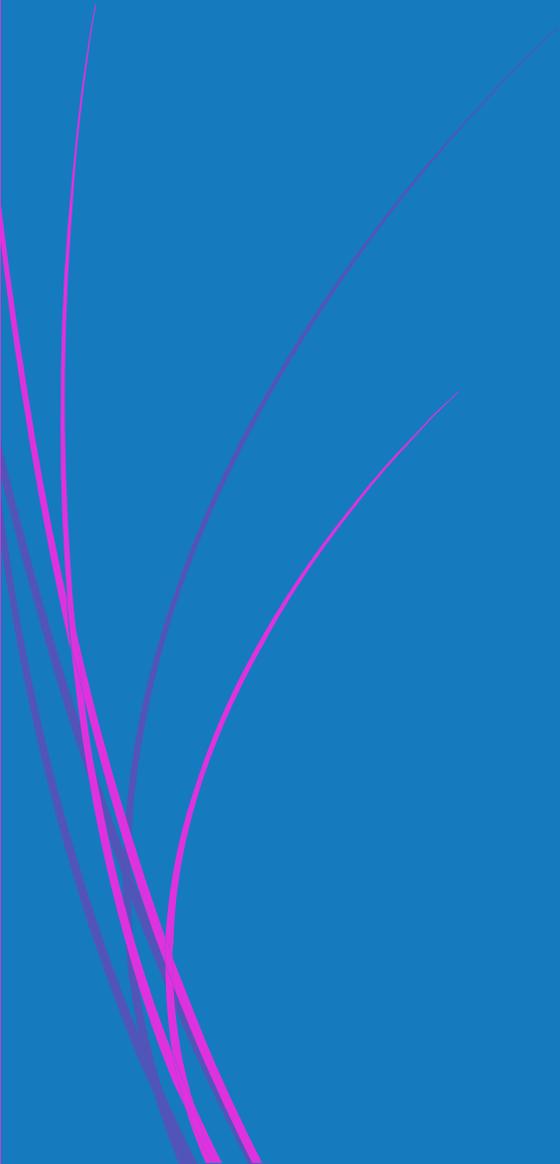
PETTING ZOO

Identifying furs is a learned skill. It takes a good detective to examine the fur for color, how dense the fur is, how soft or coarse it is, & how thin or thick the hide is. Scientists rely on these skills to figure out what type of animal the fur came from. Sometimes a few furs may seem very similar though a good detective can figure out the differences. This is natural history science.

Let's see how good of a detective you are with some furs & perhaps a few clues to help you.

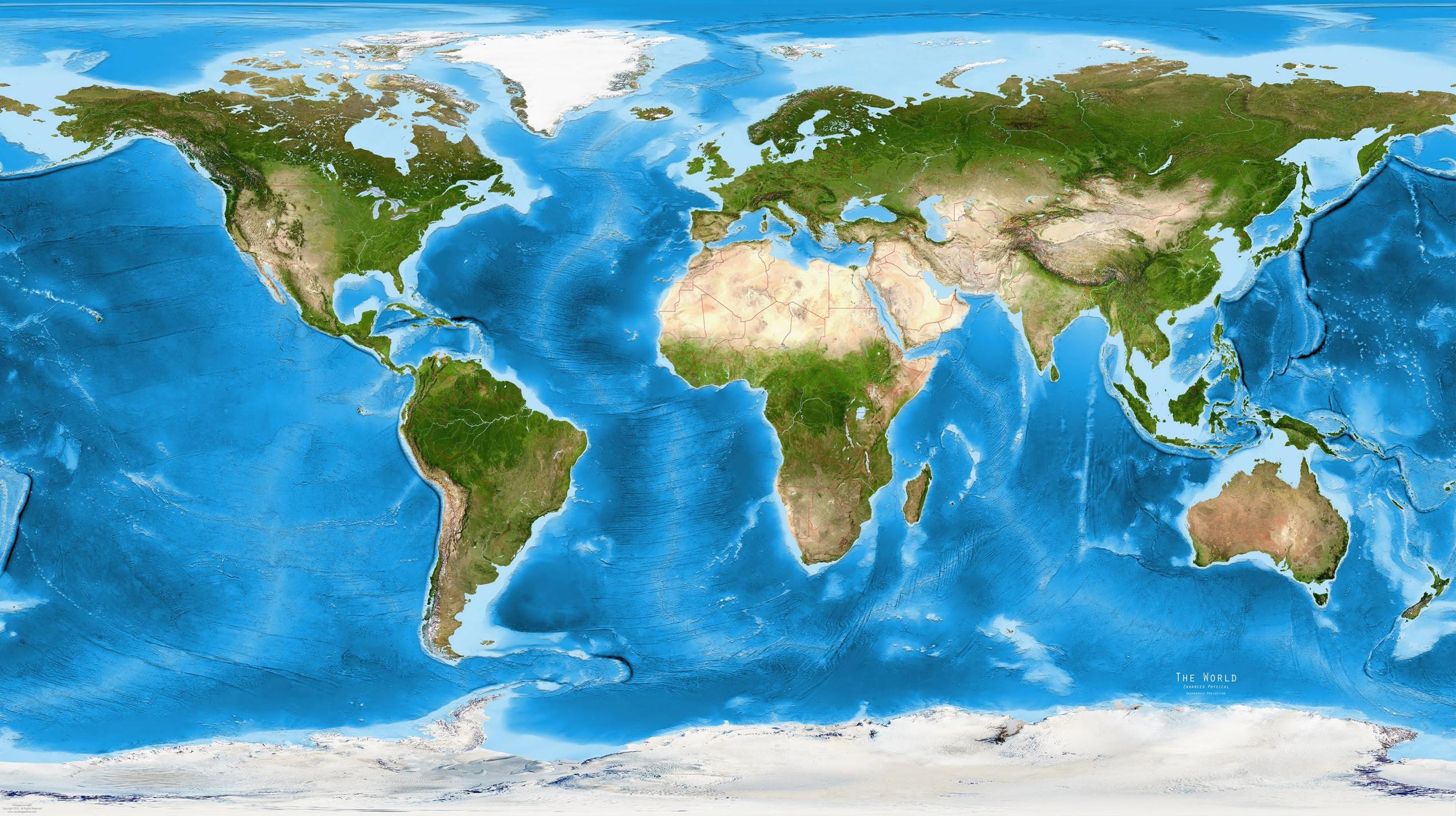


PETTING ZOO

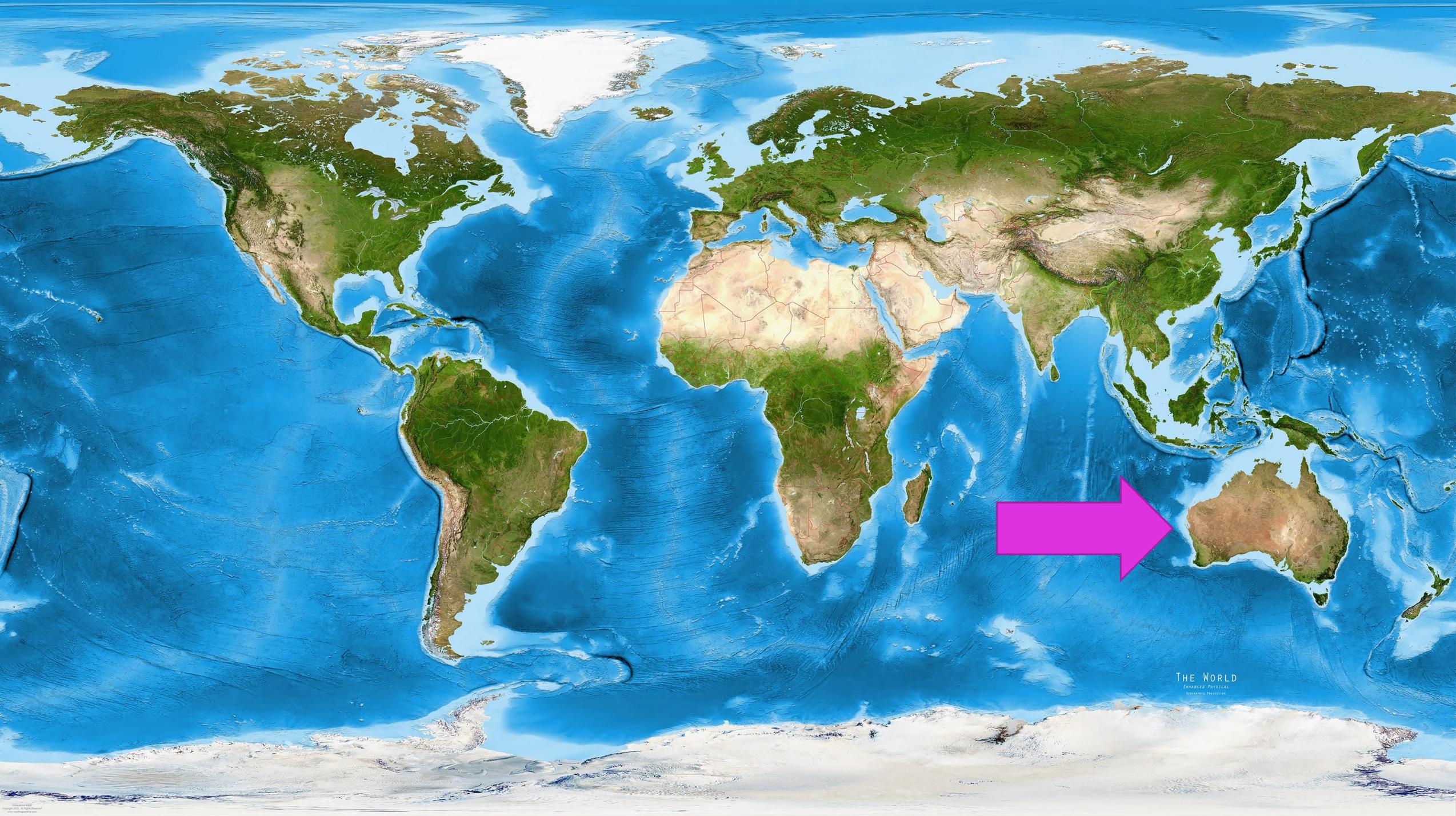


#1





THE WORLD
ENHANCED PHYSICAL
ROBINSON PROJECTION



THE WORLD
ENHANCED PHYSICAL
ROBINSON PROJECTION



- 
- largest marsupial in the world
 - strong tail
 - males grow to stand about 6' tall
 - weigh up to 198 pounds
 - can jump almost 30 feet in a single leap
 - can reach heights of almost 10 feet in a single leap
 - primarily eats green vegetation, particularly fresh grasses
 - live in groups
 - good swimmers



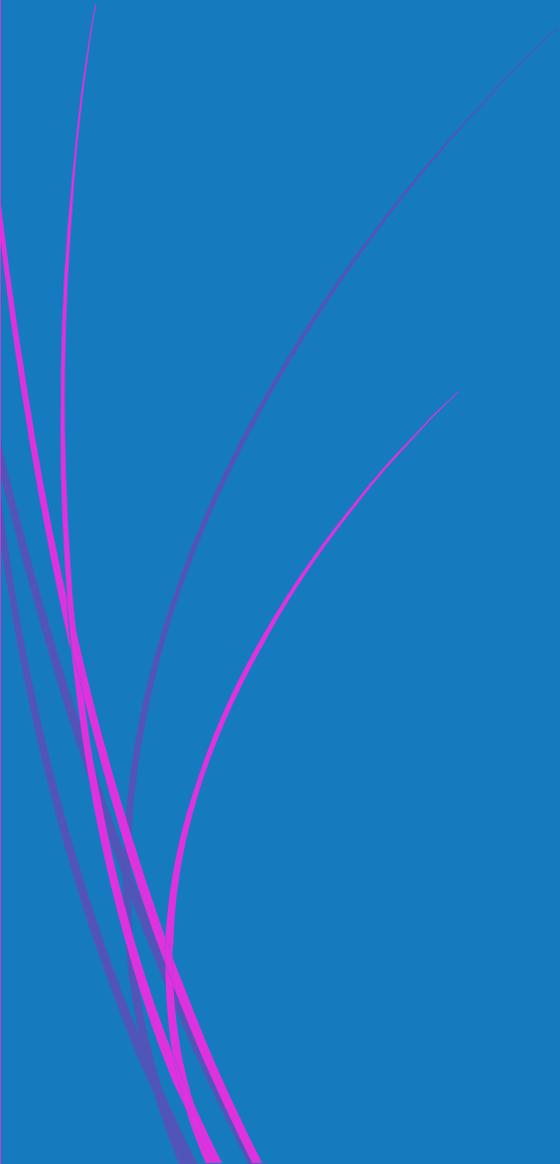


RED

KANGAROO



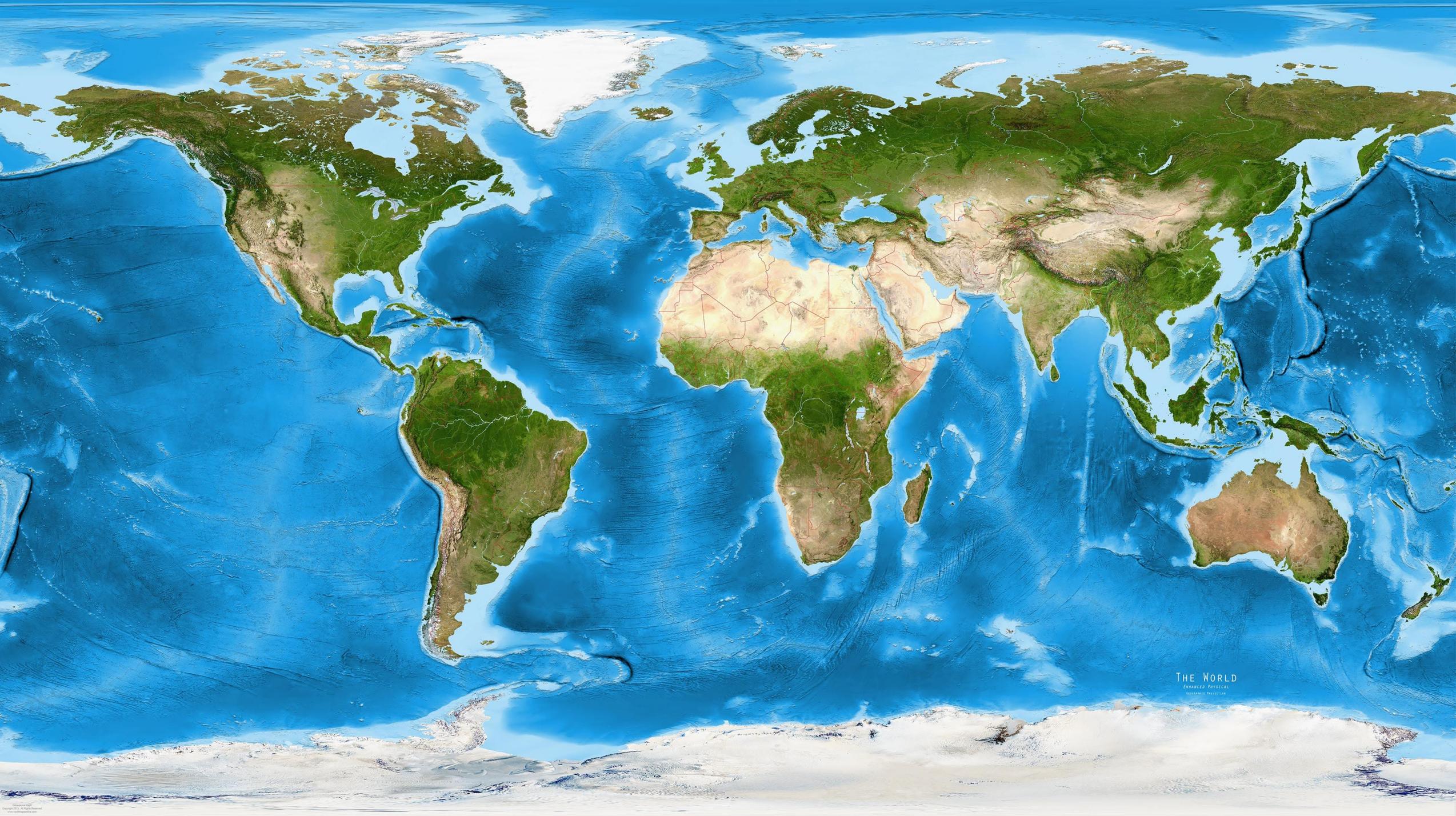
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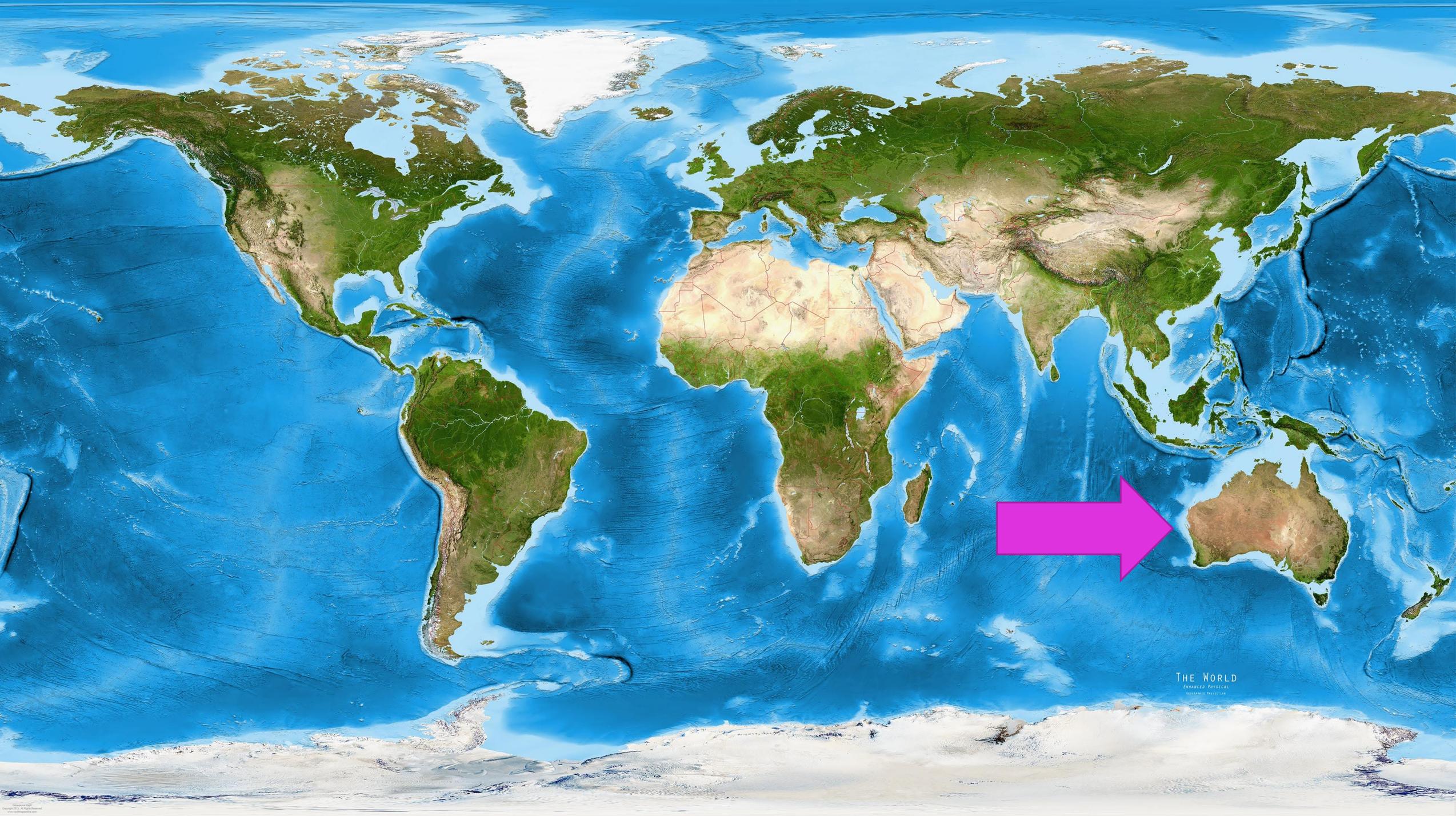
#2

RETTING
CO





THE WORLD
ENHANCED PHYSICAL
ROBINSON PROJECTION



THE WORLD
ENHANCED PHYSICAL
ROBINSON PROJECTION



- 
- marsupial
 - nocturnal
 - size of a domestic cat
 - mostly herbivores, favoring eucalyptus, though will also eat insects & other proteins
 - generally shy & not aggressive
 - clicks, grunts, hisses, & screeching sounds
 - solitary by nature
 - prehensile tail



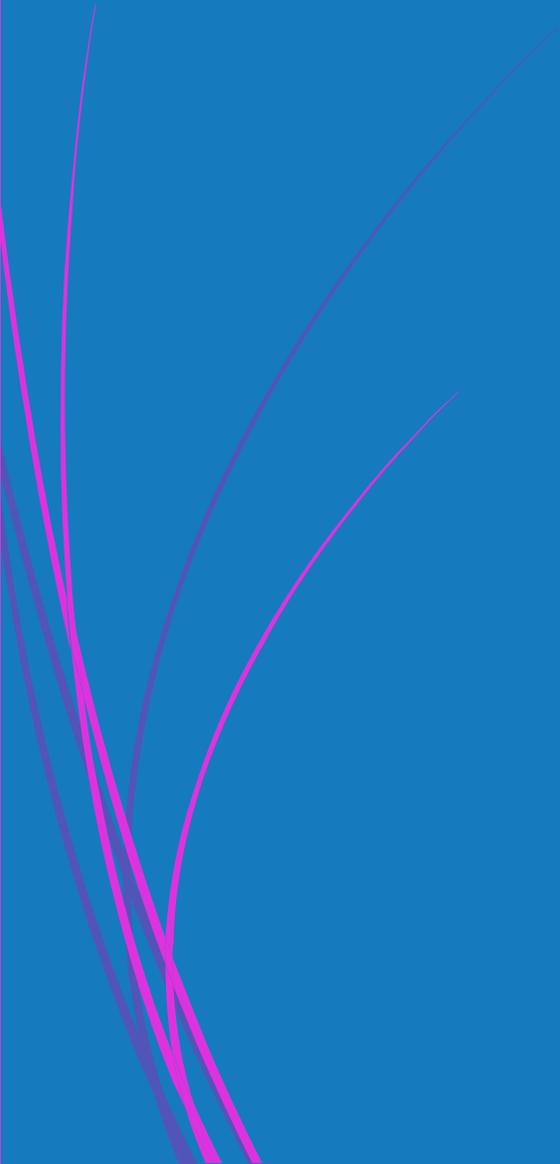


BRUSHTAIL

POSSOM



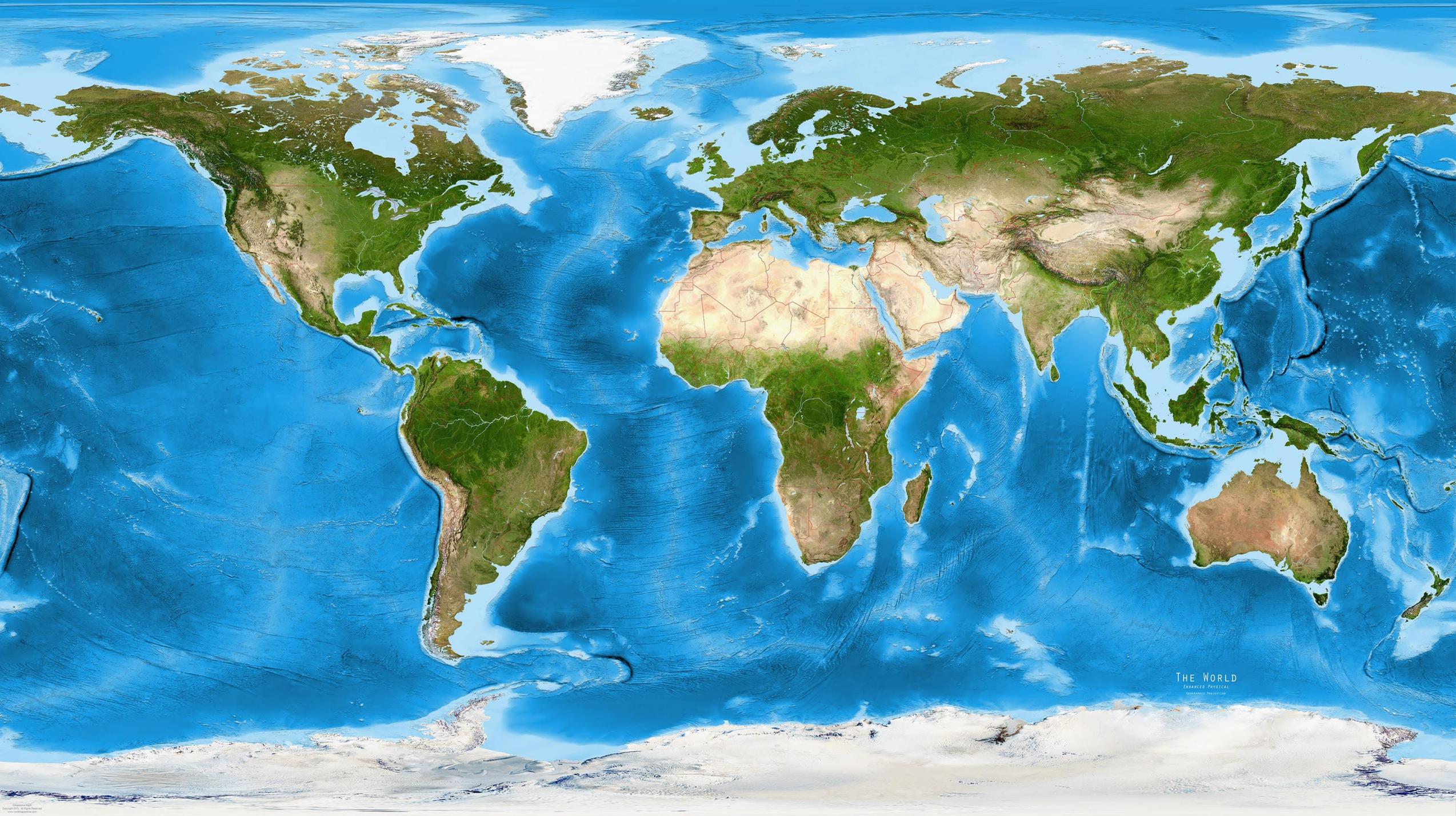
PETTING ZOO



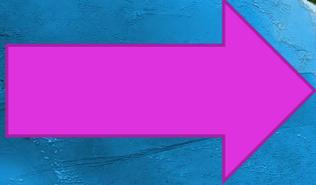
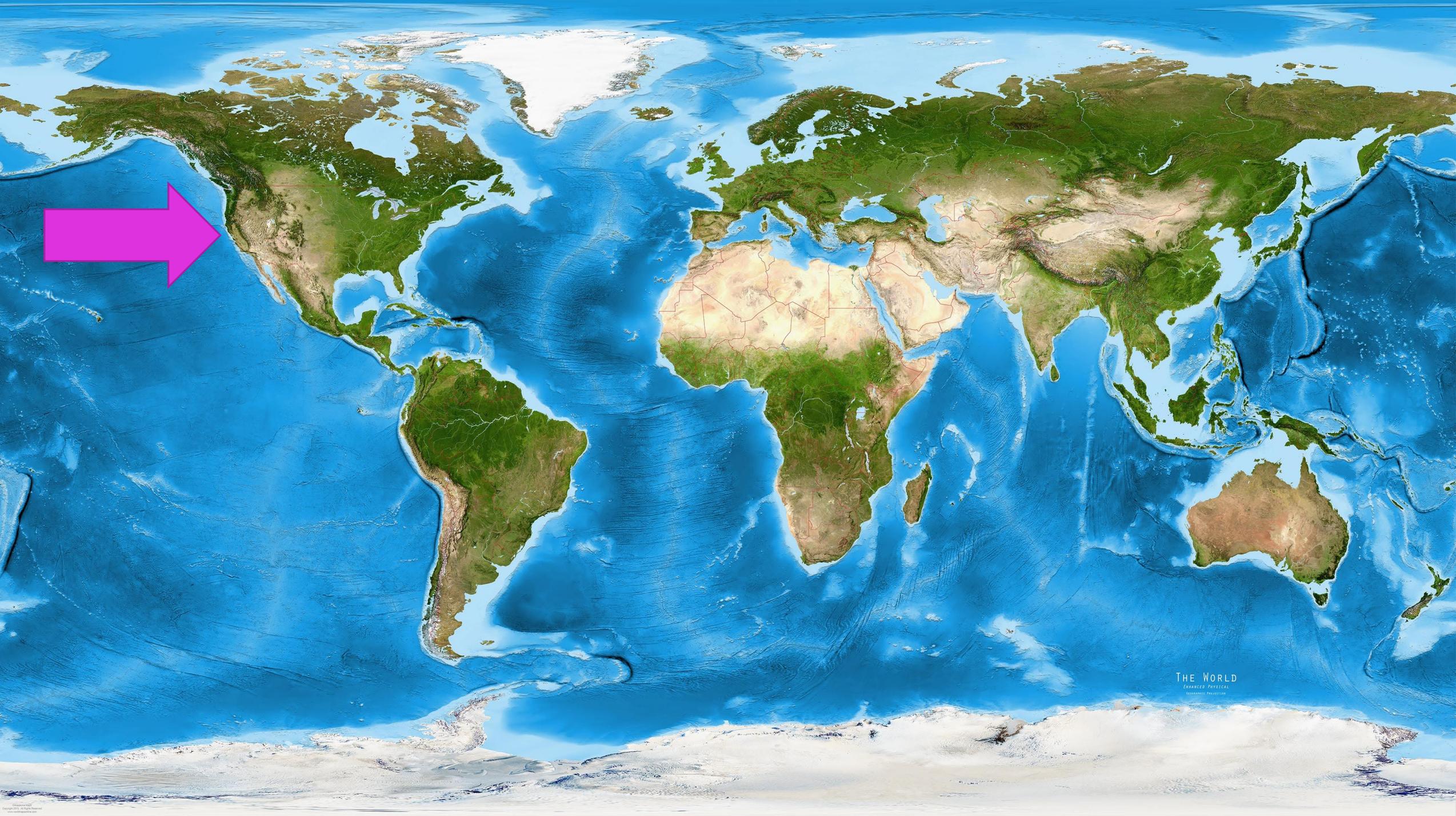
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RETTING

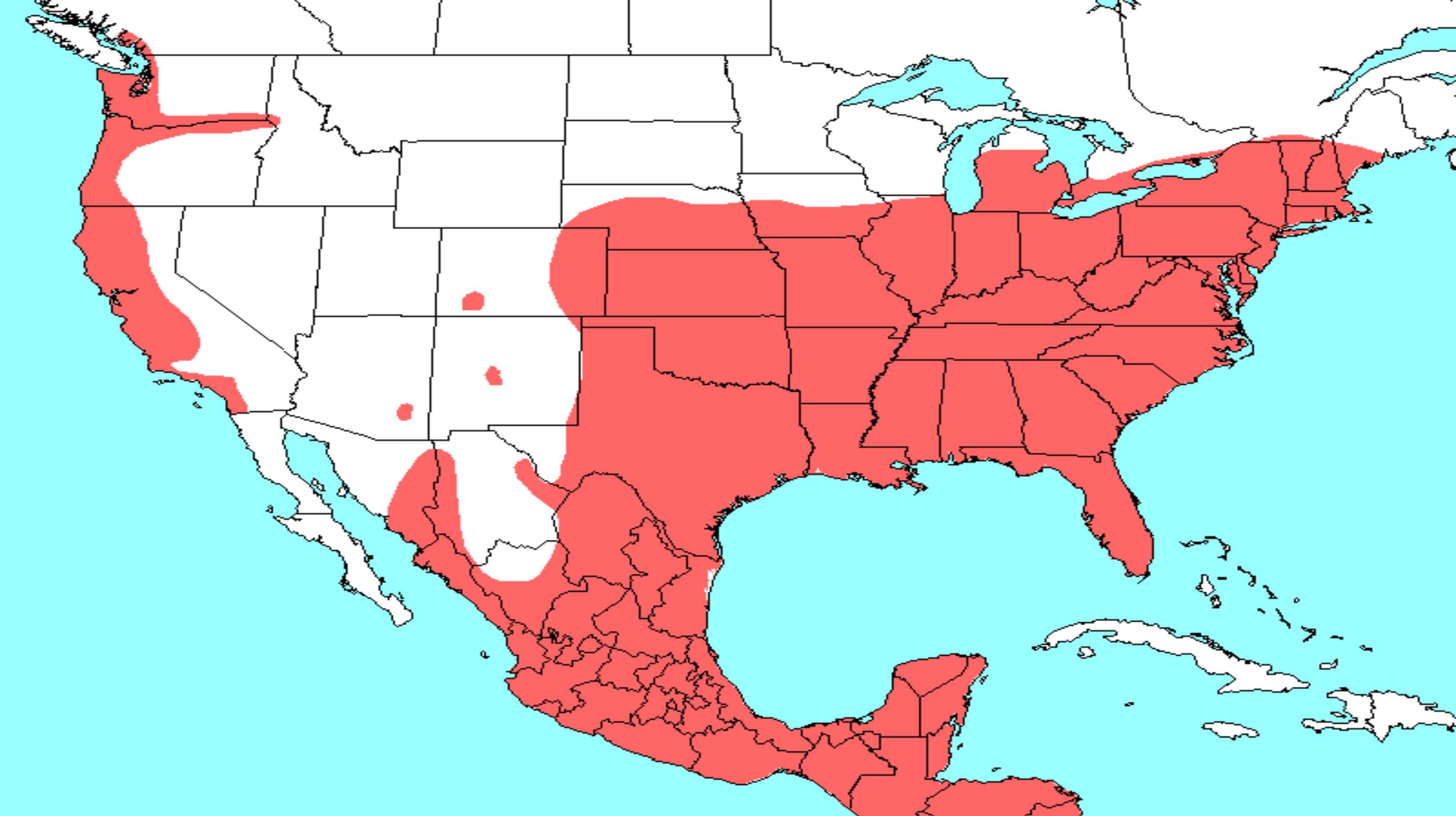


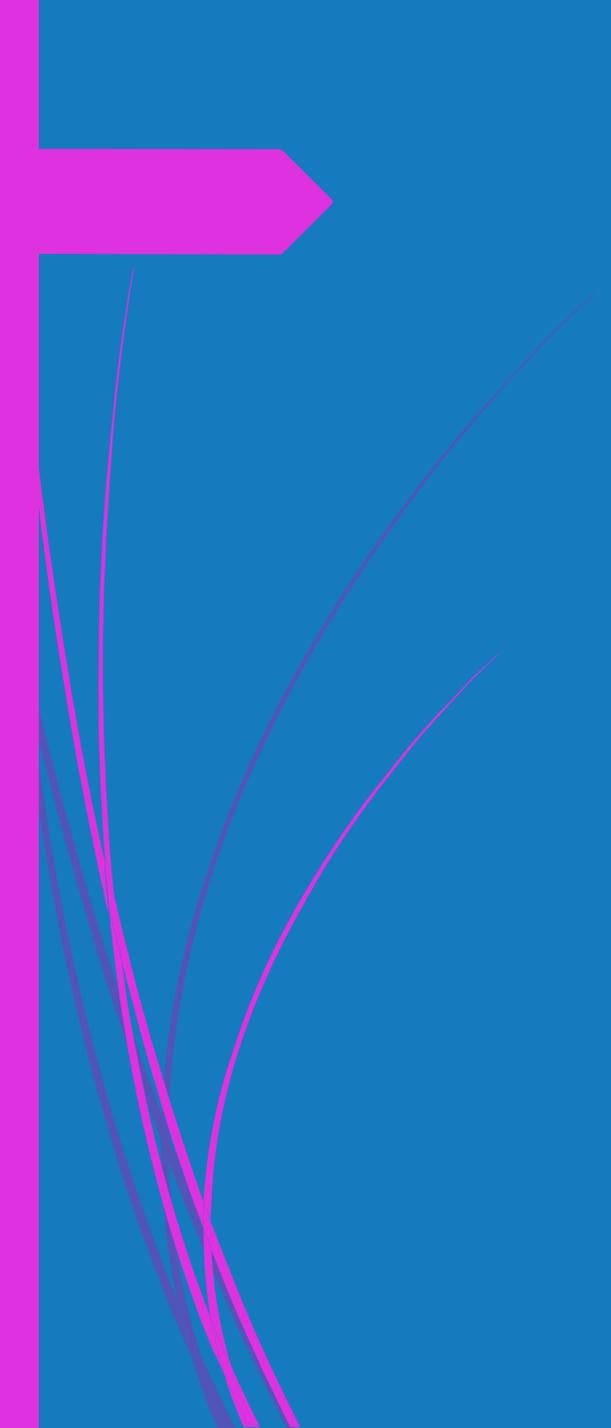


THE WORLD
ENHANCED PHYSICAL
ROBINSON PROJECTION



THE WORLD
ENHANCED PHYSICAL
ROSSIGNOL PROJECTION



- 
- ▶ only North American marsupial
 - ▶ nocturnal
 - ▶ prefer forested areas though do well in urban areas
 - ▶ omnivore
 - ▶ prehensile tail
 - ▶ considered to be a nuisance animal in our area
 - ▶ can be found in most neighborhoods in the area



VIRGINIA
OPOSSUM





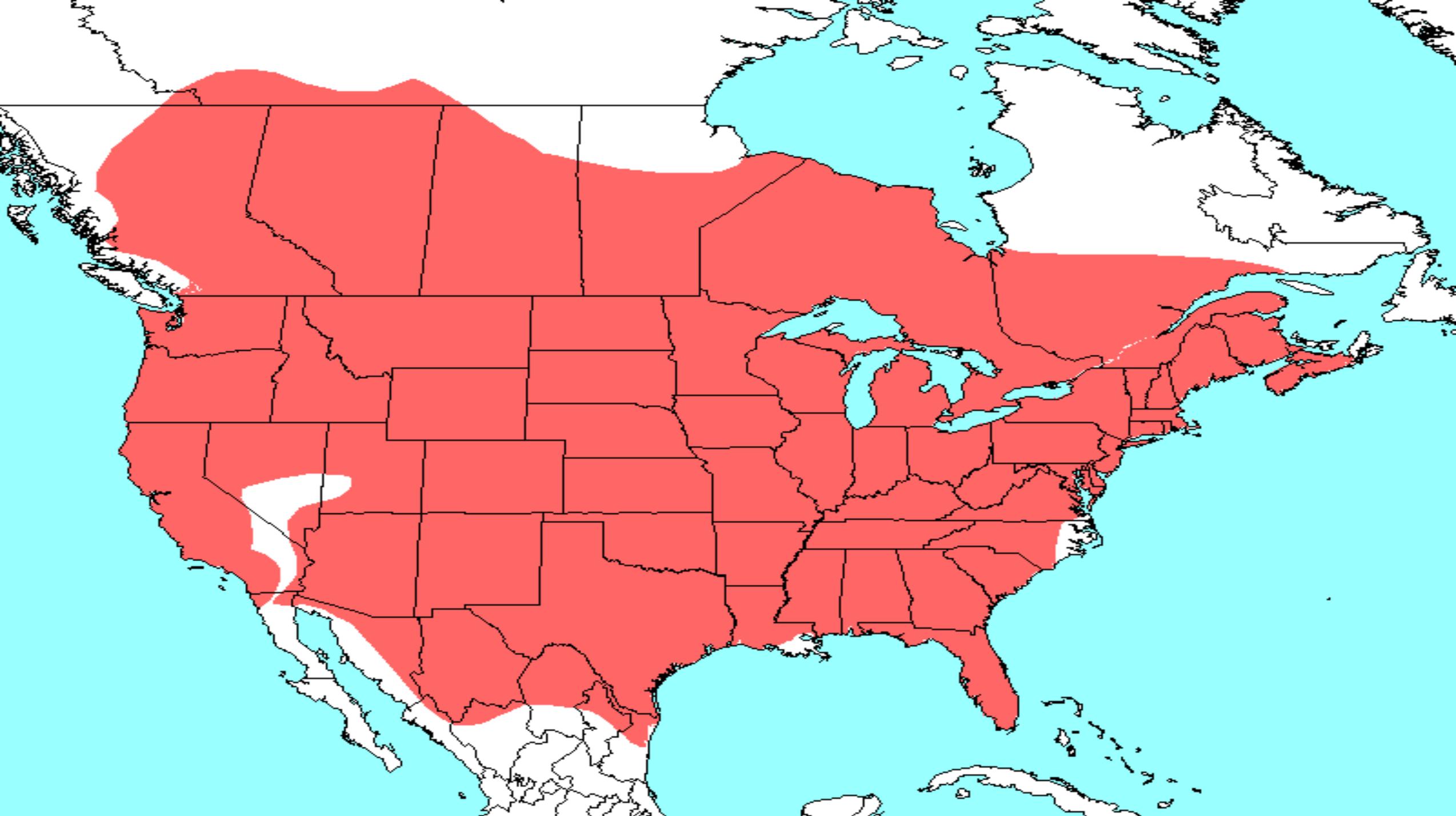
PETTING ZOO

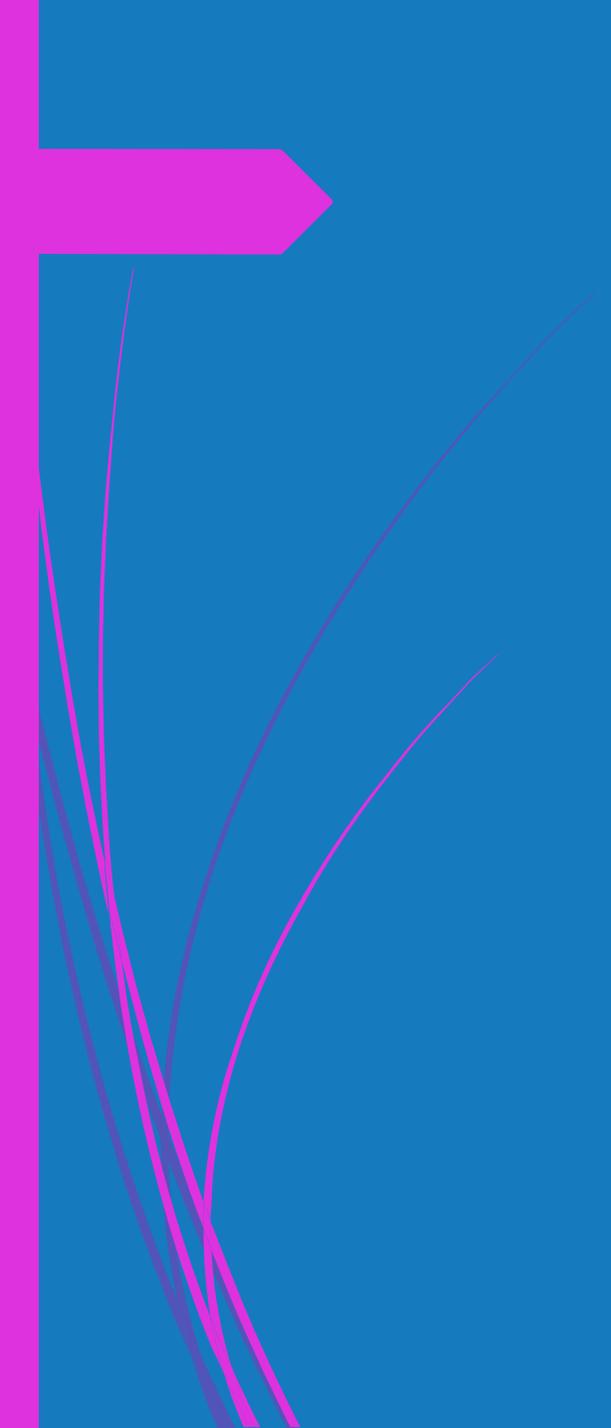


#4

PETTING
ZOO





- 
- ▶ ability to spray foul smelling fluid from 2 glands near the tail
 - ▶ musk is oily & difficult to remove
 - ▶ give warning of stomping their front feet before spraying
 - ▶ nocturnal
 - ▶ varied diet, mostly insects though includes small mammals, dead or decaying meat & some vegetation



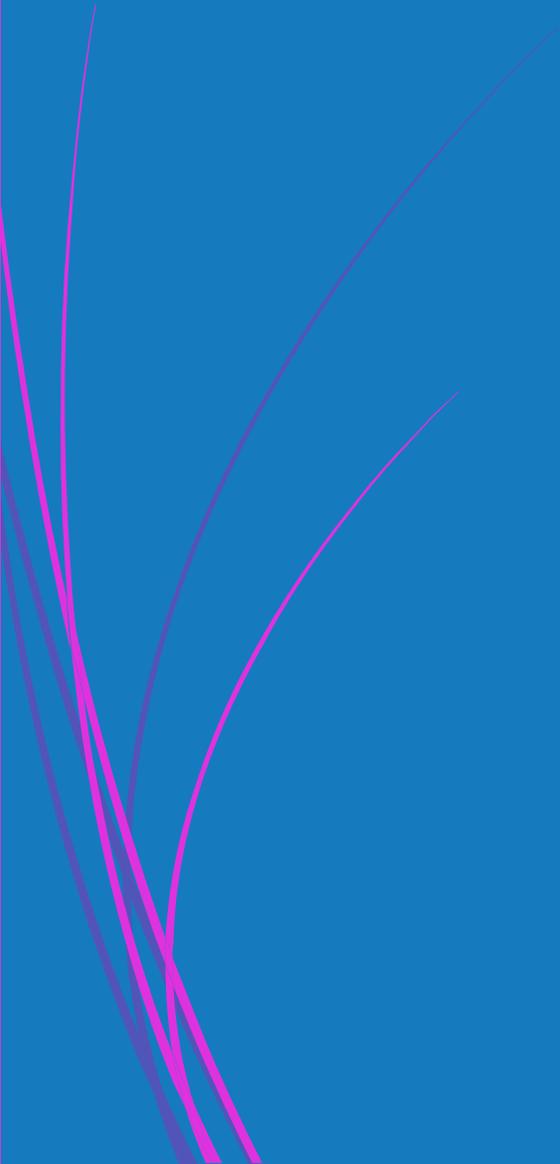


STRIPED

SKUNK



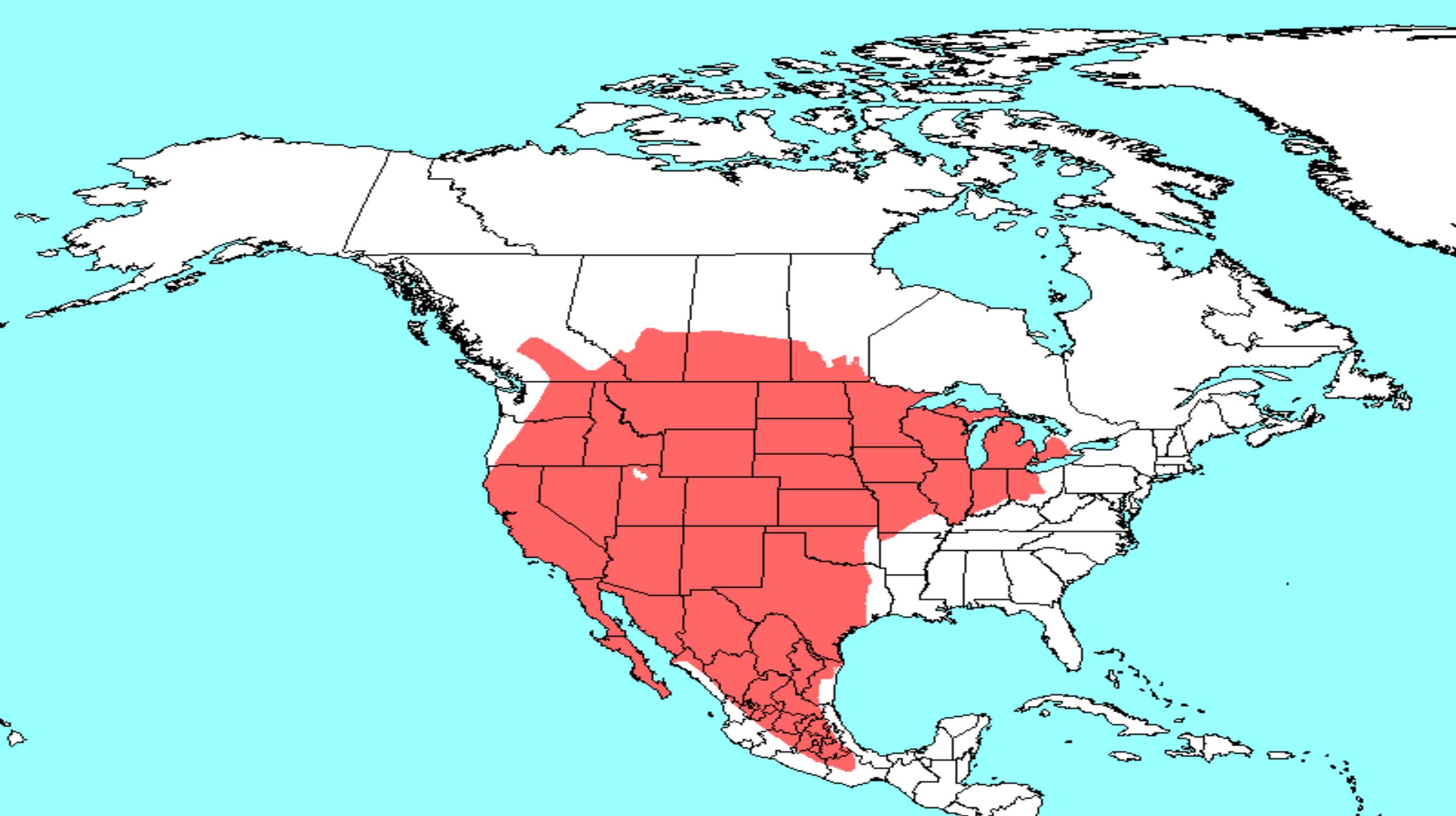
PETTING ZOO

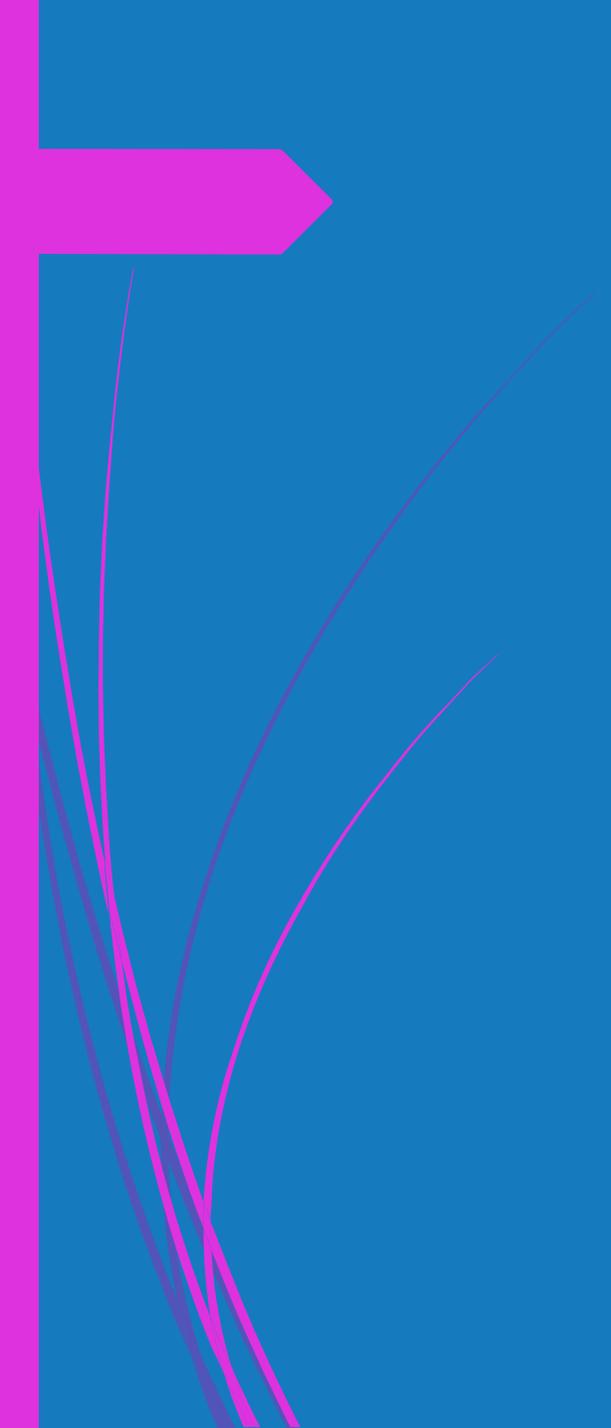


#5

KENTUCKY
ZOO





- 
- powerful diggers
 - very sharp claws & teeth
 - sleep through most of the winter, sleeping 29 hours at a time
 - feed on ground squirrels, pocket gophers, toads, frogs, birds, snakes, insects, wasps, bees & worms
 - humans are their worst enemy

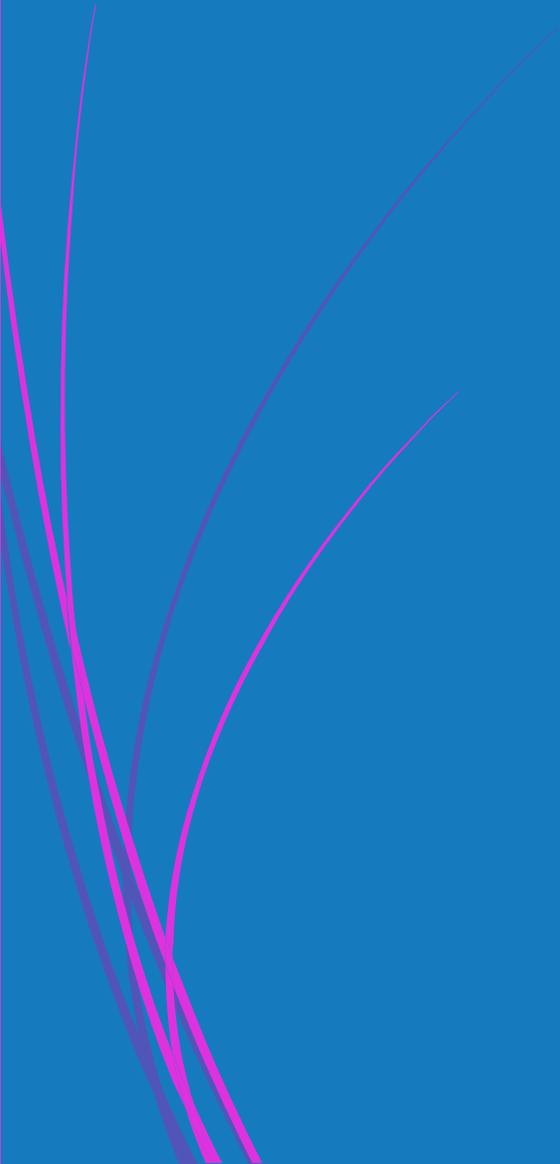


BADGER





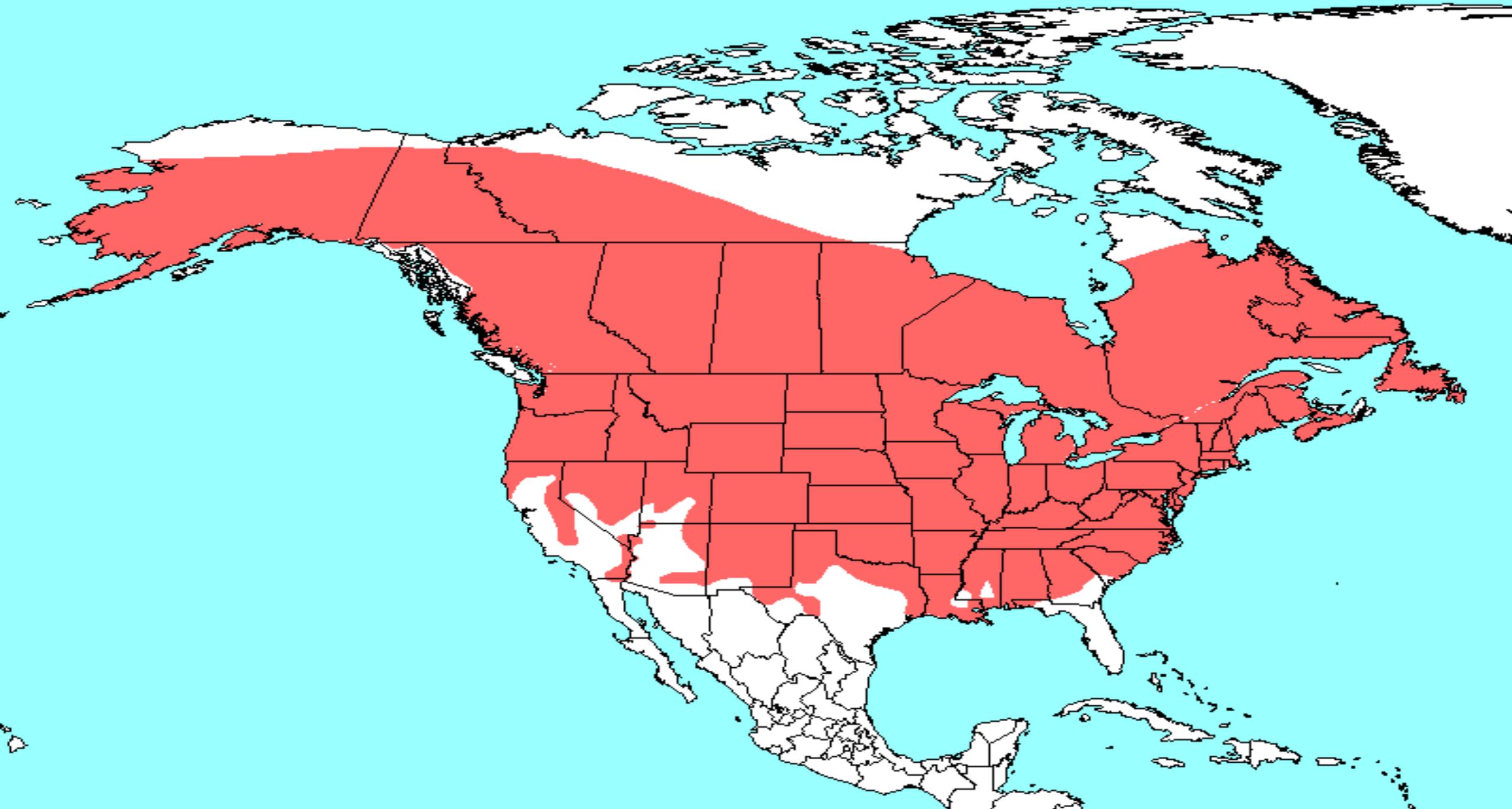
PETTING ZOO



#6

RETTING
ZOO





- 
- most adaptable animals around
 - distinctive odor
 - semi-aquatic rodent
 - found in lakes, ponds, streams, rivers & marshes throughout most of North America
 - rudder-like tail that is flattened side to side
 - partially webbed hind feet
 - fur traps air for insulation & buoyancy
 - omnivore though primarily herbivore

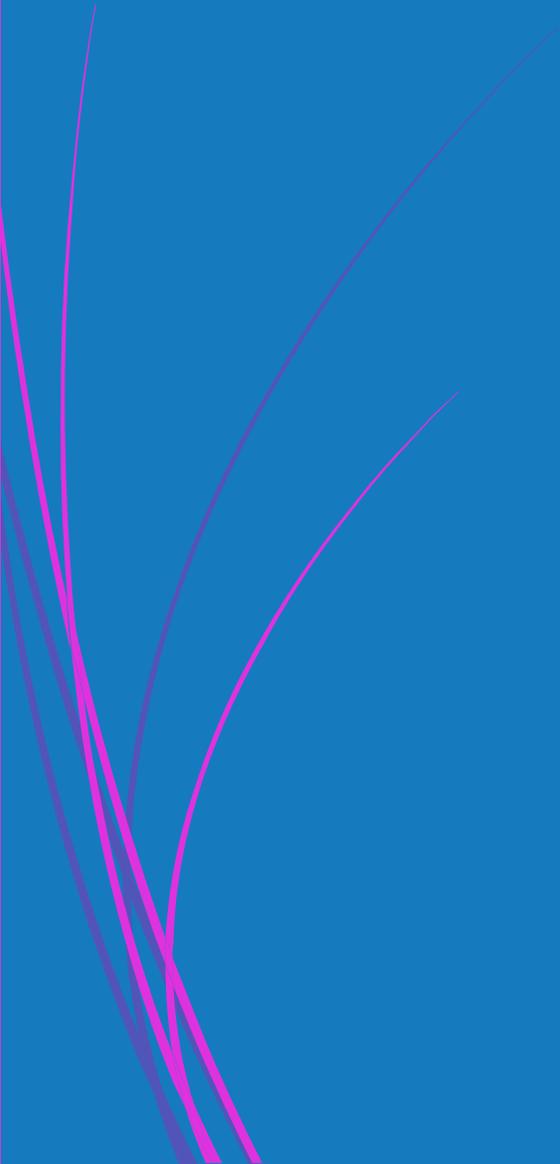




MUSKRAT



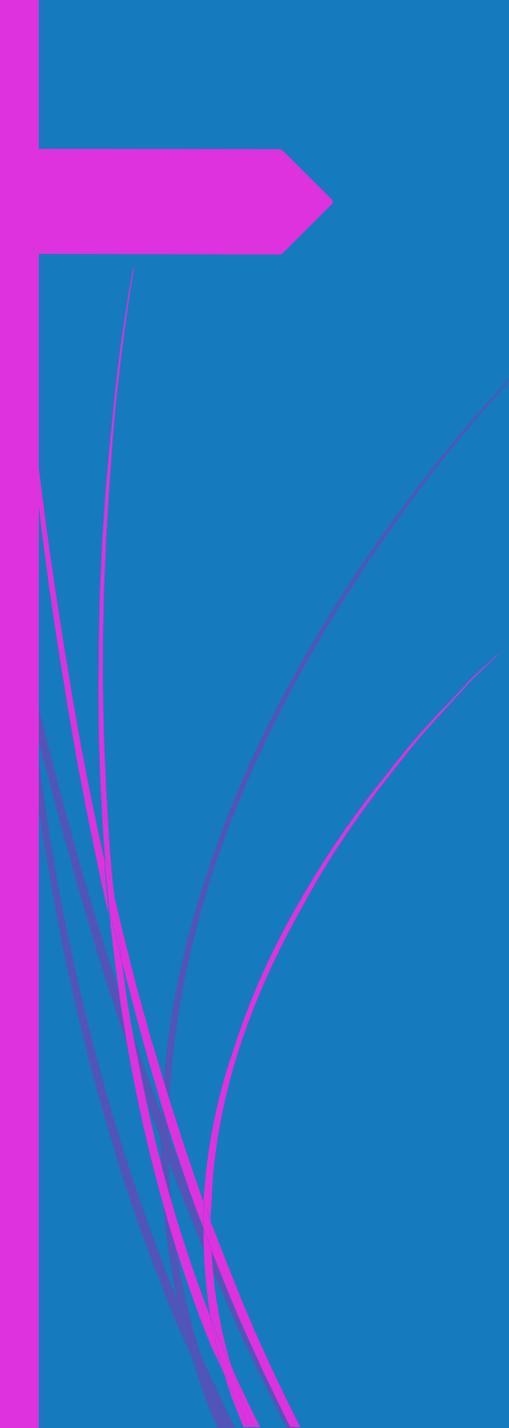
PETTING ZOO



#7

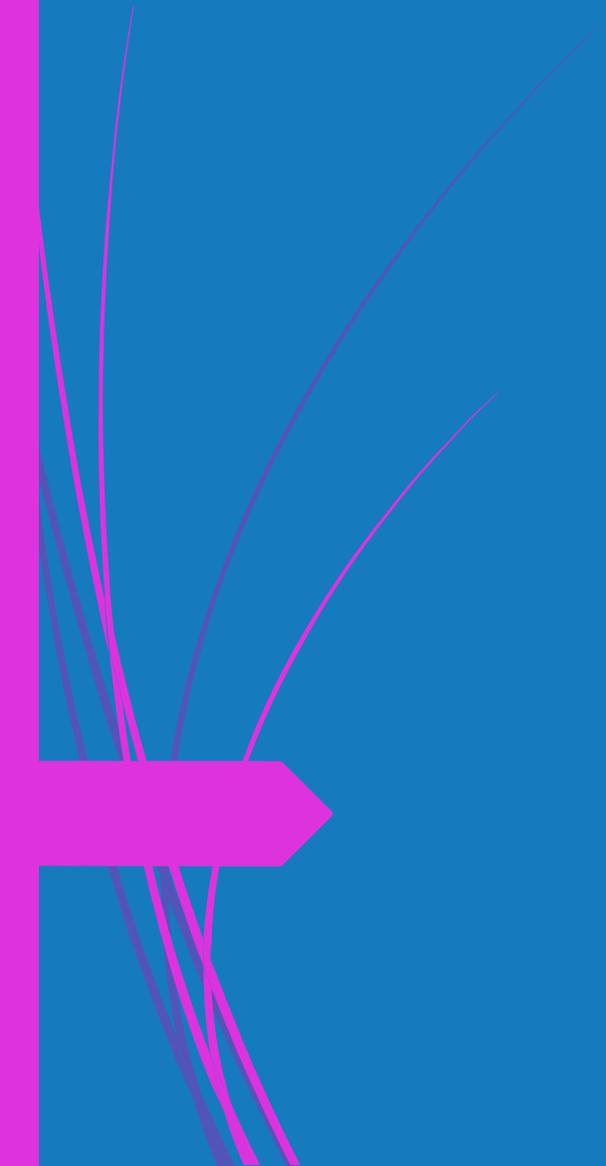
ZOO



- 
- aquatic lifestyle
 - webbed toes
 - oily, waterproof coat
 - small external ears
 - able to stay under water for up to 8 minutes
 - feed on crayfish, crabs, fish, birds, small mammals, and some aquatic plants
 - extinct in Central & Eastern United States
 - extinct or rare in other parts of the United States
 - sensitive to pollution

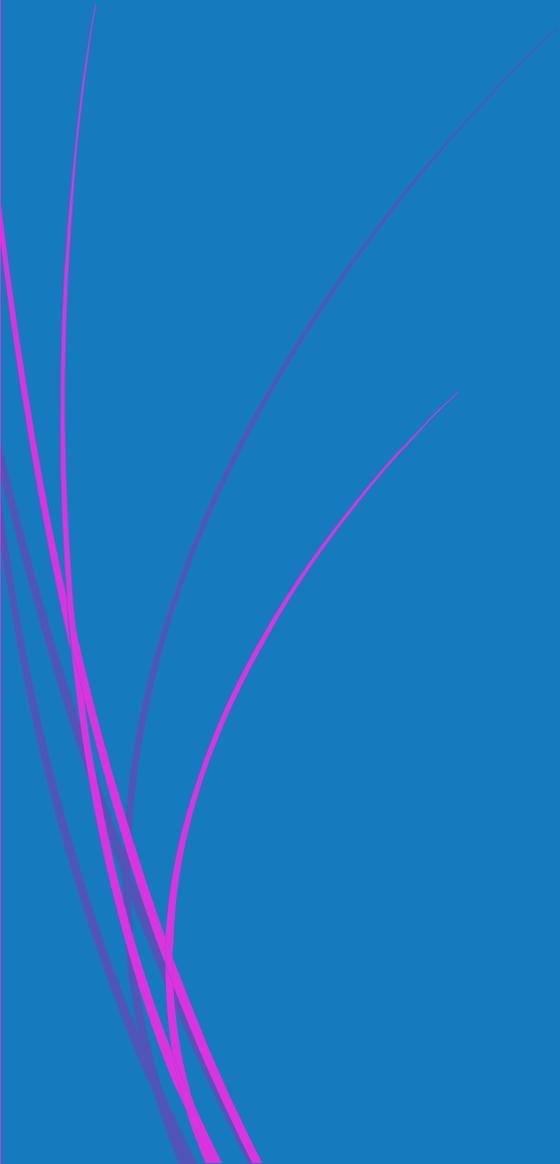


RIVER OTTER



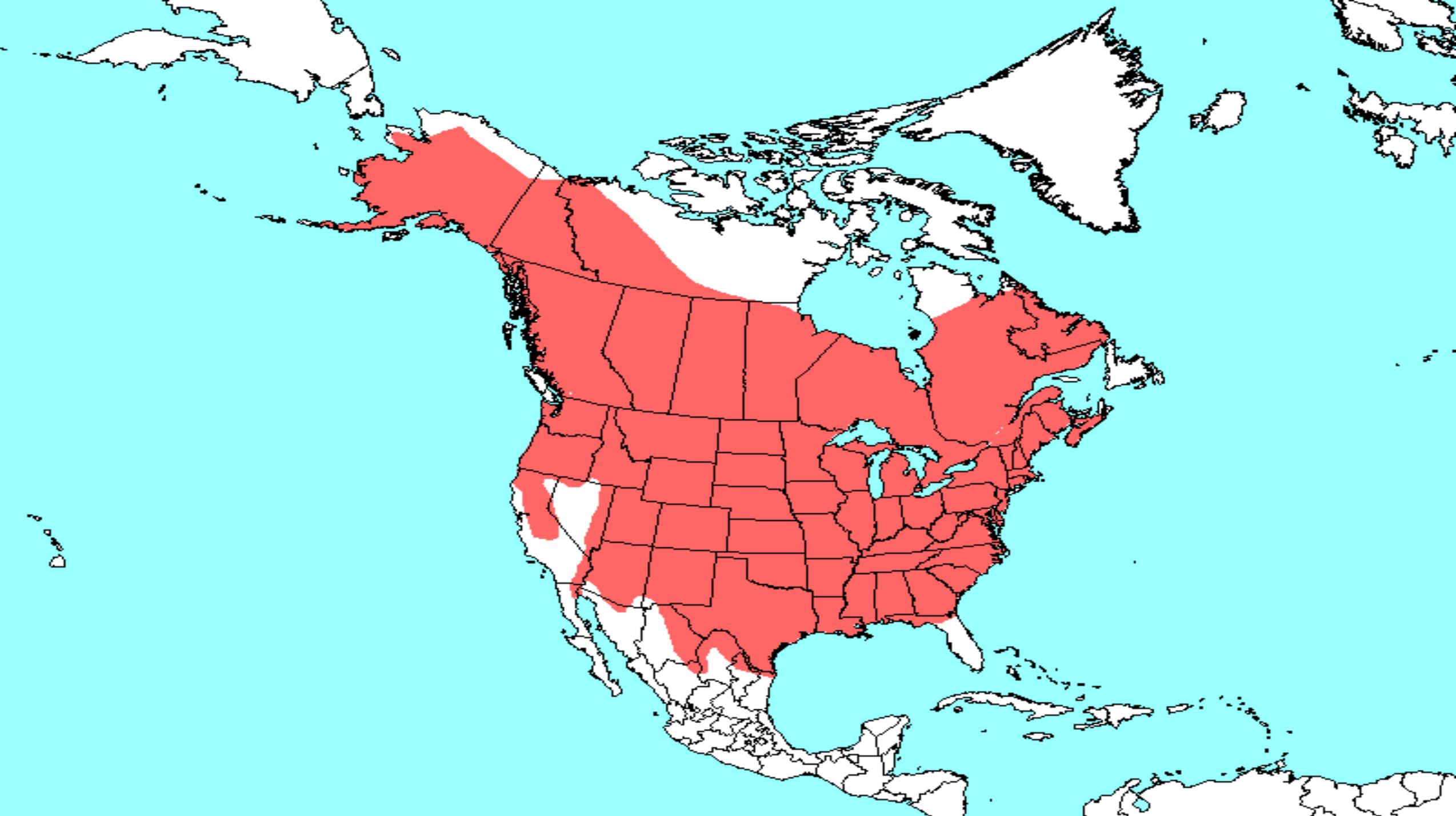


PETTING ZOO



#8





- 
- largest rodent in North America
 - nocturnal & secretive
 - webbing on hind feet
 - 4 front teeth are extremely sharp
 - found at ponds, lakes, & streams
 - chop down trees to build dams
 - modifies the environment with the plants, animals & microbial communities

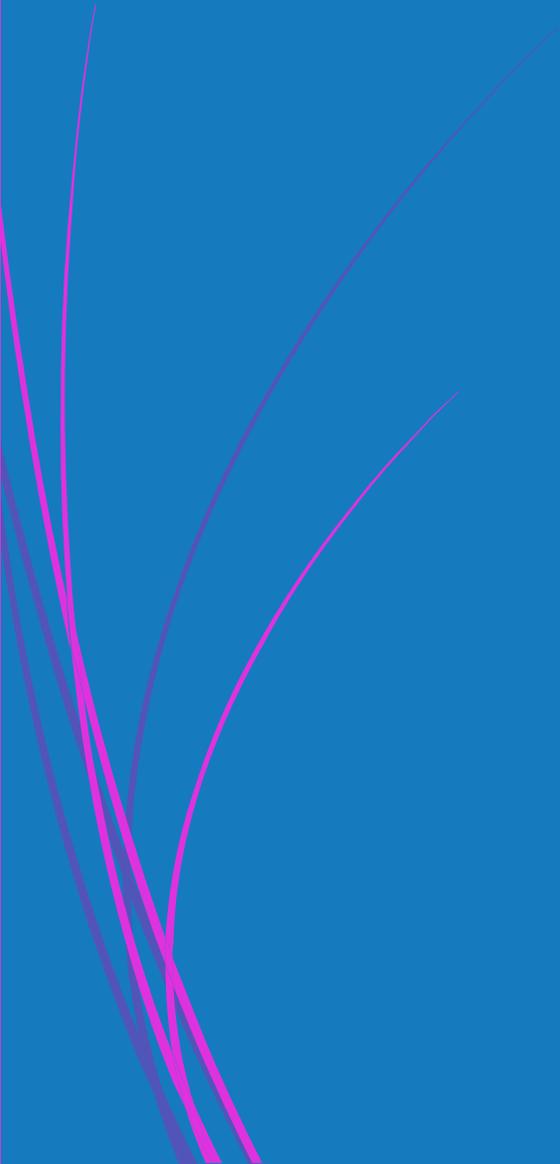




BEAVER



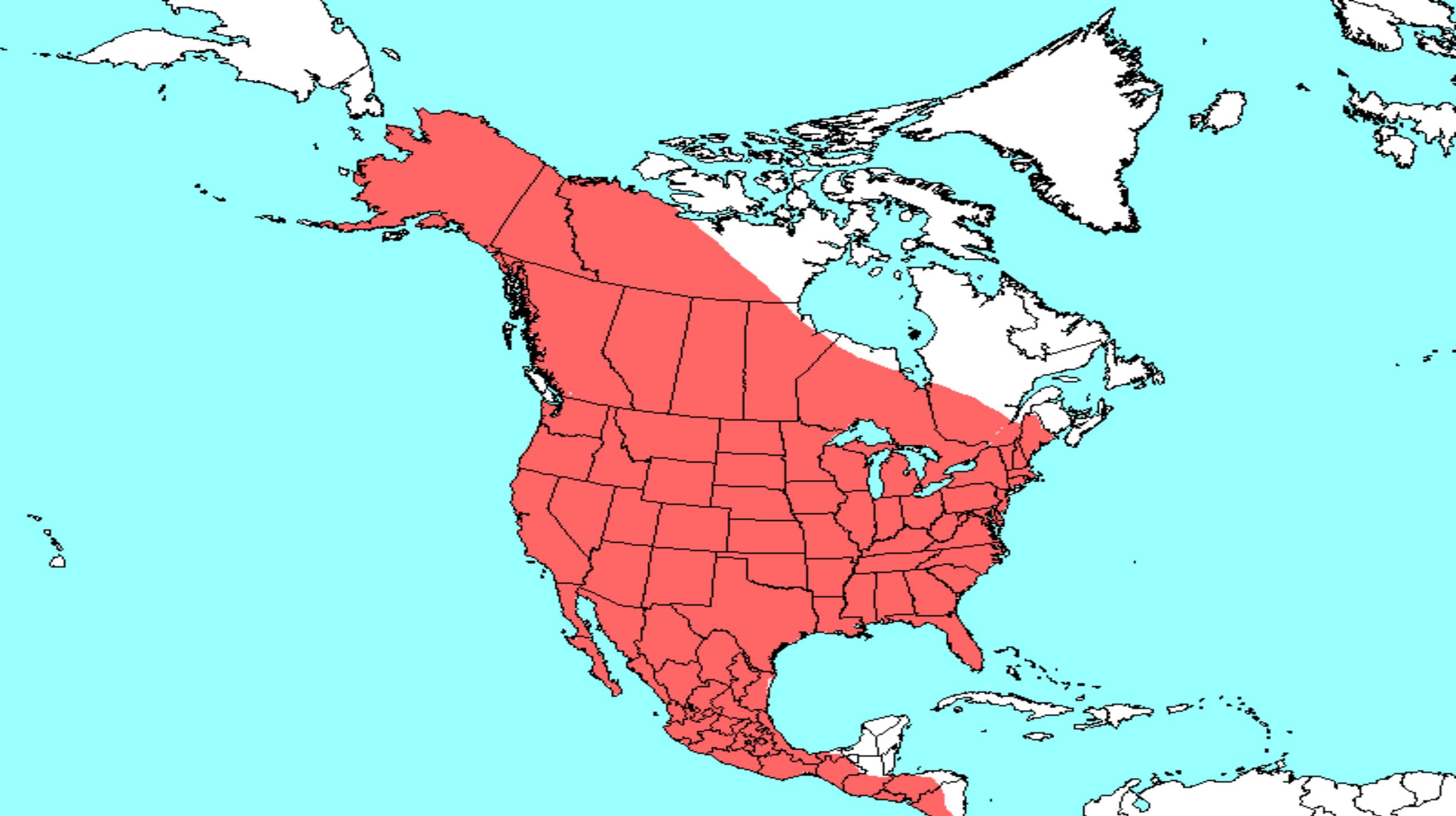
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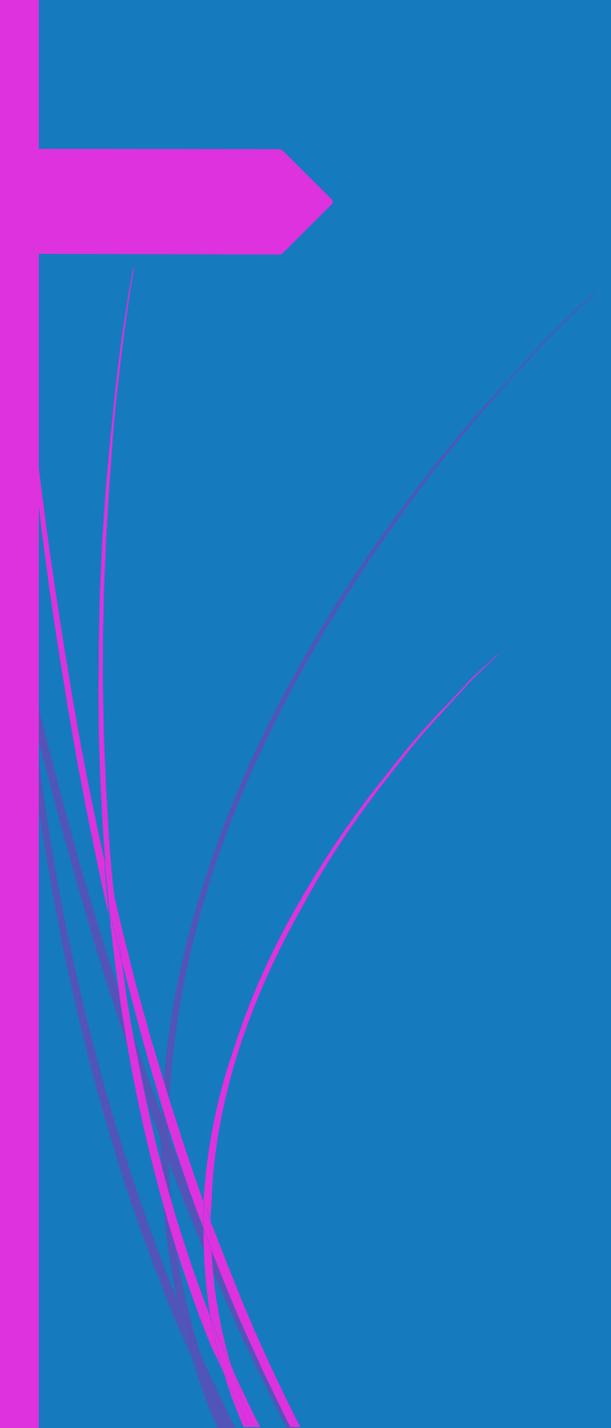


#9

PETTING
ZOO

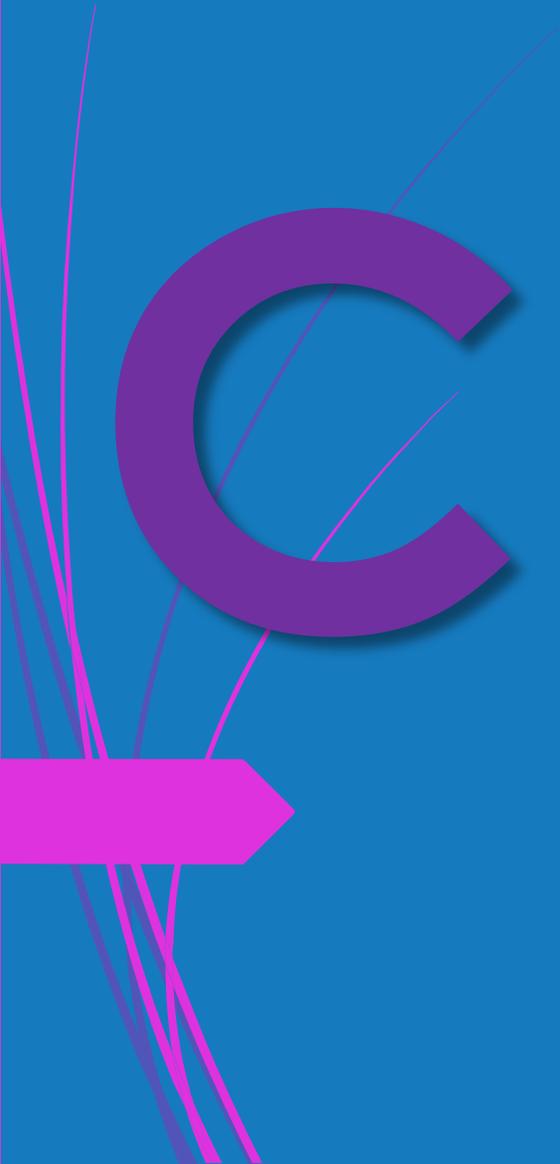




- 
- ▶ among the most adaptable mammal in North America
 - ▶ live in a variety of environments, including suburbs, towns & cities
 - ▶ omnivores
 - ▶ socially diverse, some live alone, others in pairs & others in packs



COYOTE



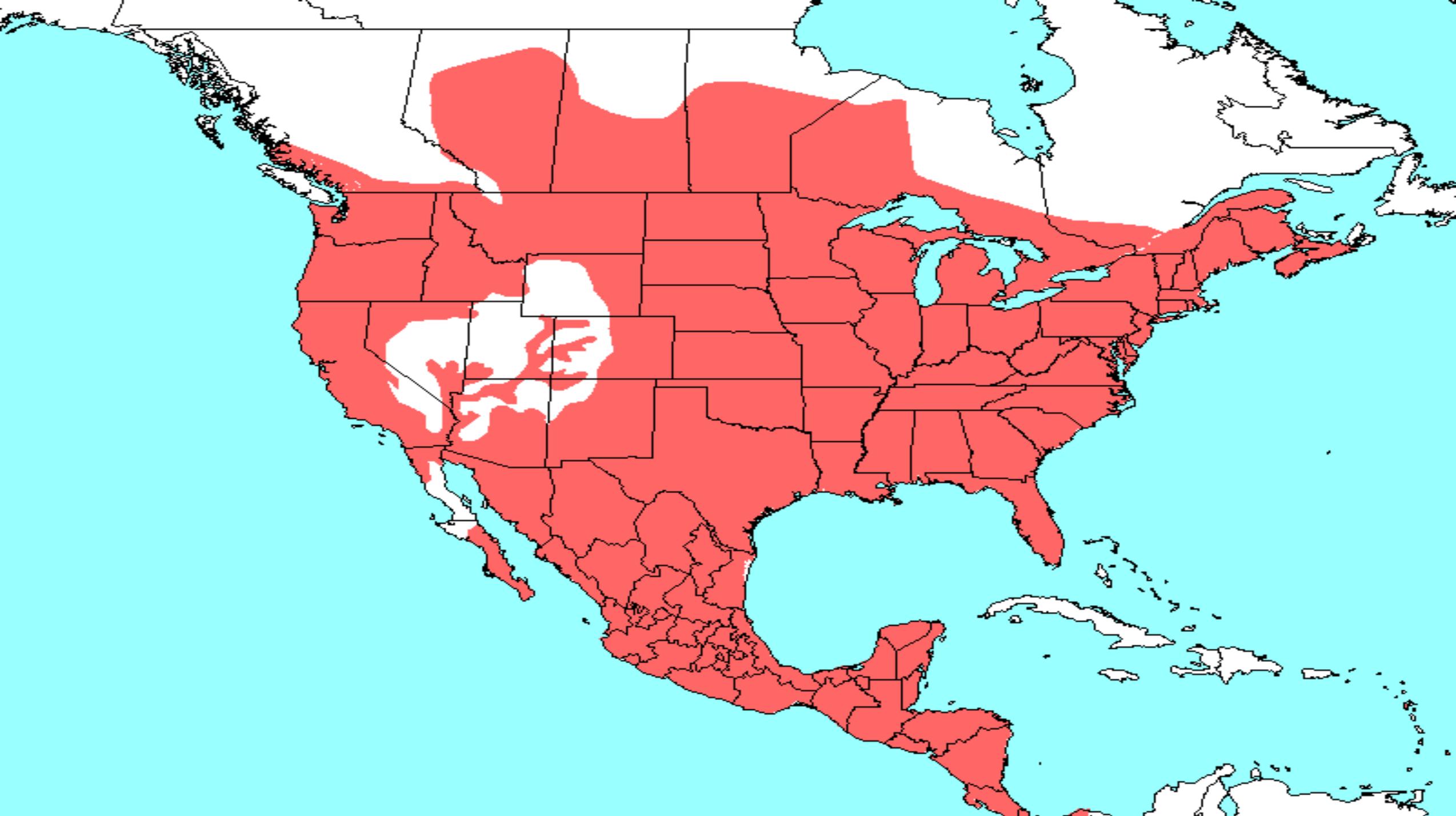


PETTING ZOO



#10





- 
- ▶ the most adaptable Carnivora
 - ▶ live in a variety of environments, including suburbs, towns & cities
 - ▶ omnivores
 - ▶ have fingers
 - ▶ wash their food





RACCOON



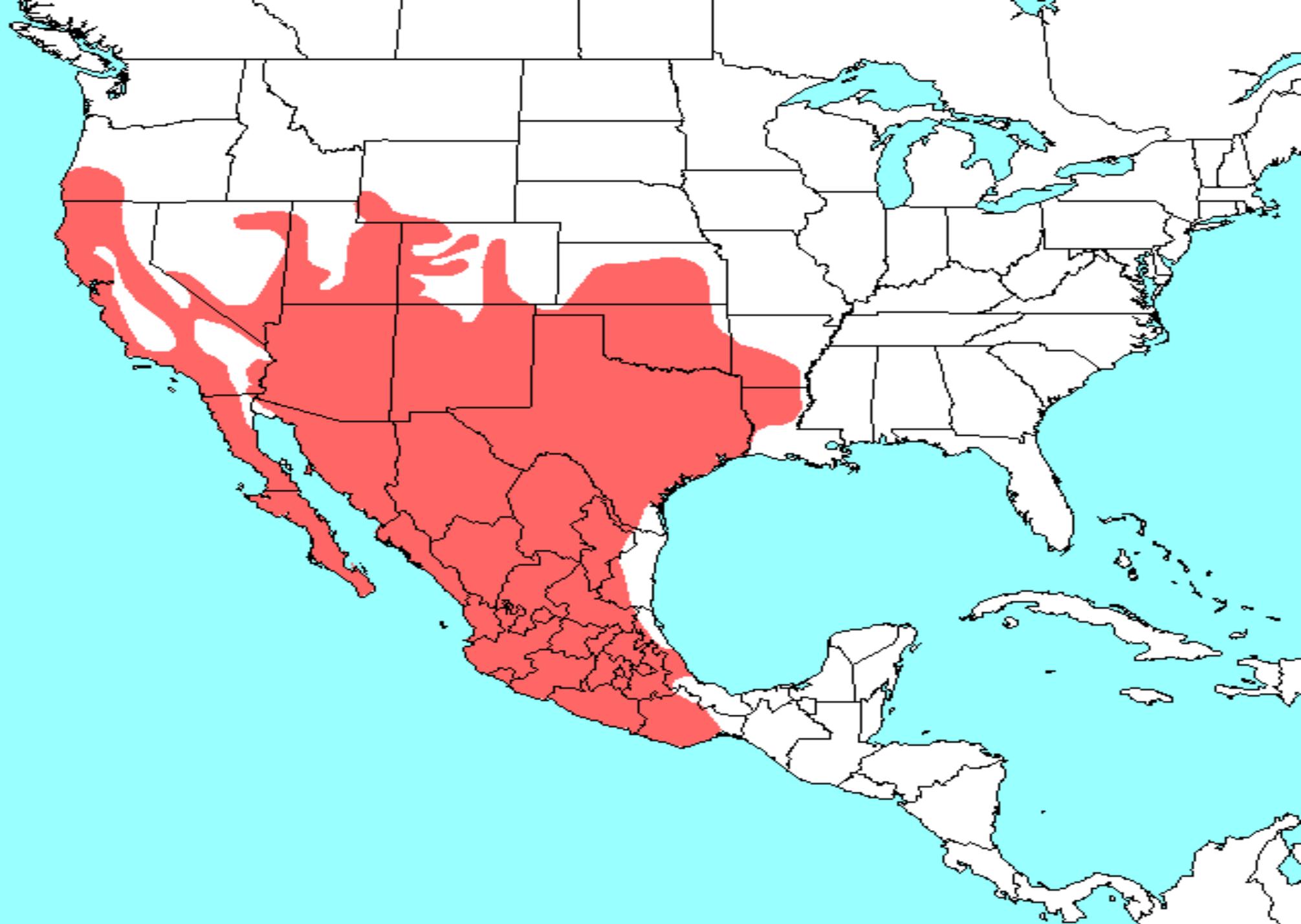
PETTING ZOO

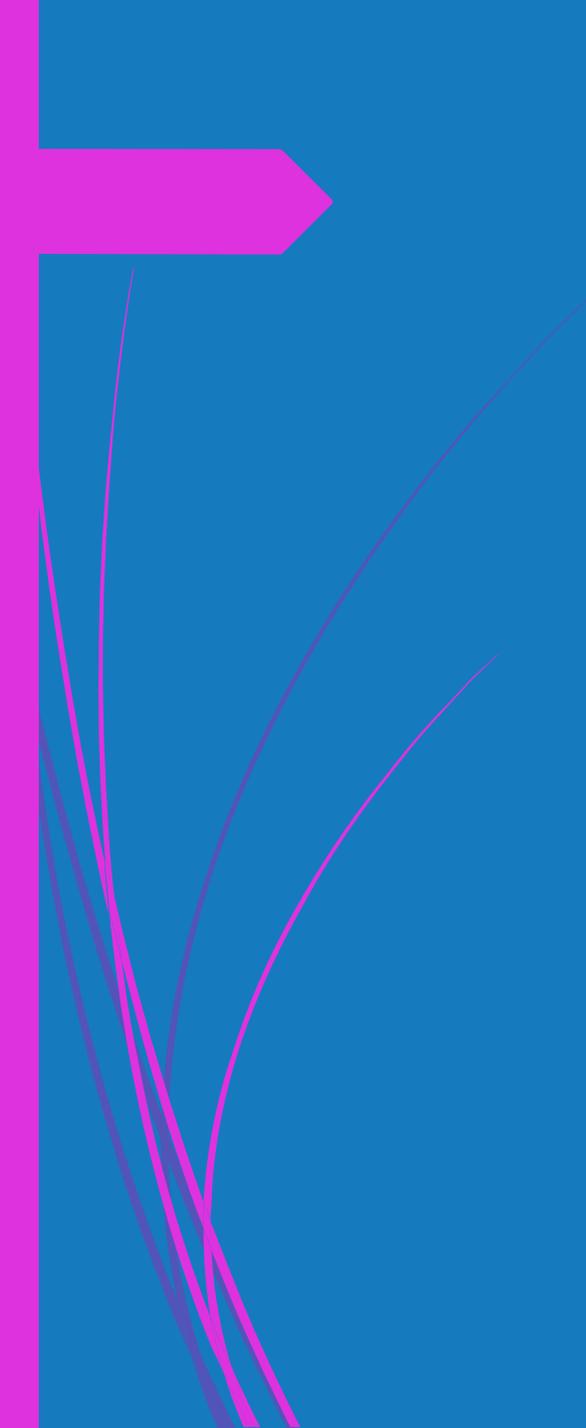


#111

RESTING
ZOO





- 
- ▶ nocturnal, cat-sized carnivore
 - ▶ good climber
 - ▶ found in habitats that range from dry canyons to wet woodlands, in highland and lowland terrain
 - ▶ prey on small mammals, but their varied diet also includes other vertebrates, insects, nuts, and fruit
 - ▶ solitary and territorial



RING-TAILED

CAT



How can we protect animals?

We just learned how to be a good nature detective.

Now we need to help protect them from harm.

It's our job to save the animals.

How can we protect animals?

- ▶ Cut up plastic 6-pack holders.
- ▶ Cut yogurt containers in half.
- ▶ Don't use single-use plastic shopping bags.
- ▶ Don't clean out cat litter into toilet.
- ▶ Don't release balloons into the sky.
- ▶ Don't feed bread to ducks.
- ▶ Don't litter.

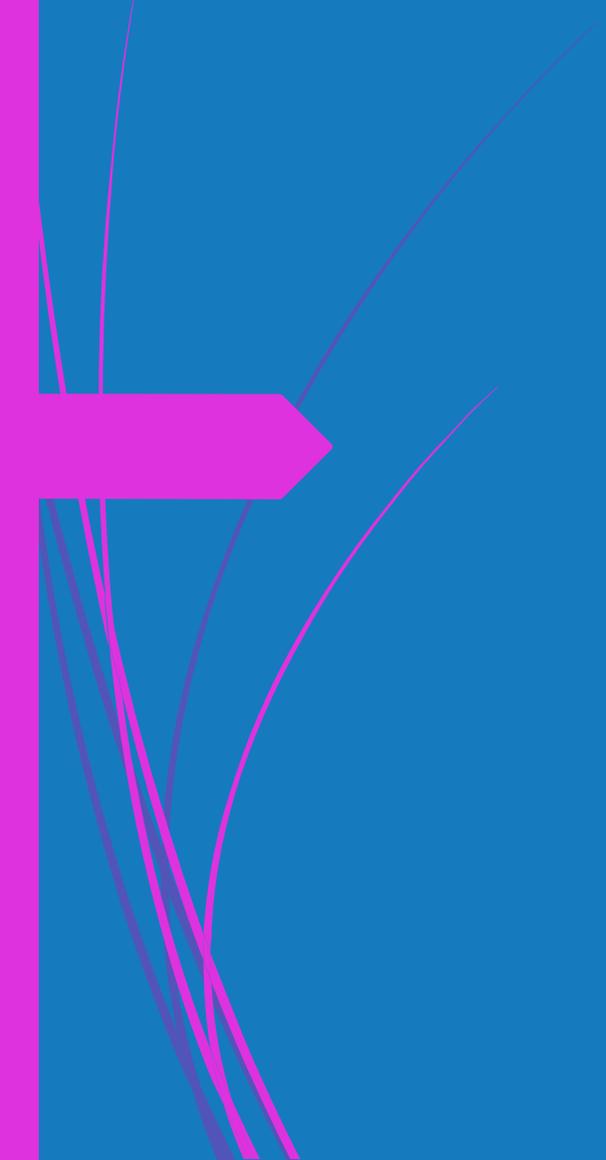




ECOLOGY

EARTH SCIENCE

CALL OF THE WOODS



CALL OF THE WOODS

“I AM THE HEAT OF YOUR HEARTH ON COLD WINTER NIGHTS, THE FRIENDLY SHADE SCREENING YOU FROM THE SUMMER SUN, AND MY FRUITS ARE REFRESHING DRAUGHTS QUENCHING YOUR THIRST AS YOU JOURNEY ON.”

“I AM THE BEAM THAT HOLDS YOUR HOUSE, THE BOARD OF YOUR TABLE, THE BED ON WHICH YOU LIE, AND THE TIMBER THAT BUILDS YOUR BOAT.”

“I AM THE HANDLE OF YOUR BROOM, THE DOOR OF YOUR HOMESTEAD, THE WOOD OF YOUR CRADLE, AND THE SHELL OF YOUR COFFIN.”

“I AM THE BREAD OF KINDNESS AND THE FLOWER OF BEAUTY. “
YE WHO PASS BY, LISTEN TO MY CALL: “HARM ME NOT.”

WHAT COMES FROM A TREE

Trees provide us with a lot of different things. We use tree products in various forms. We know about the wood of your pencils & your paper.

When trees are used for lumber, there are leftover chips, sawdust & bark. The chips & sawdust are used to make paper and other products. In the past, these were burned as waste. Modern operations are very efficient in using everything & nothing is wasted.

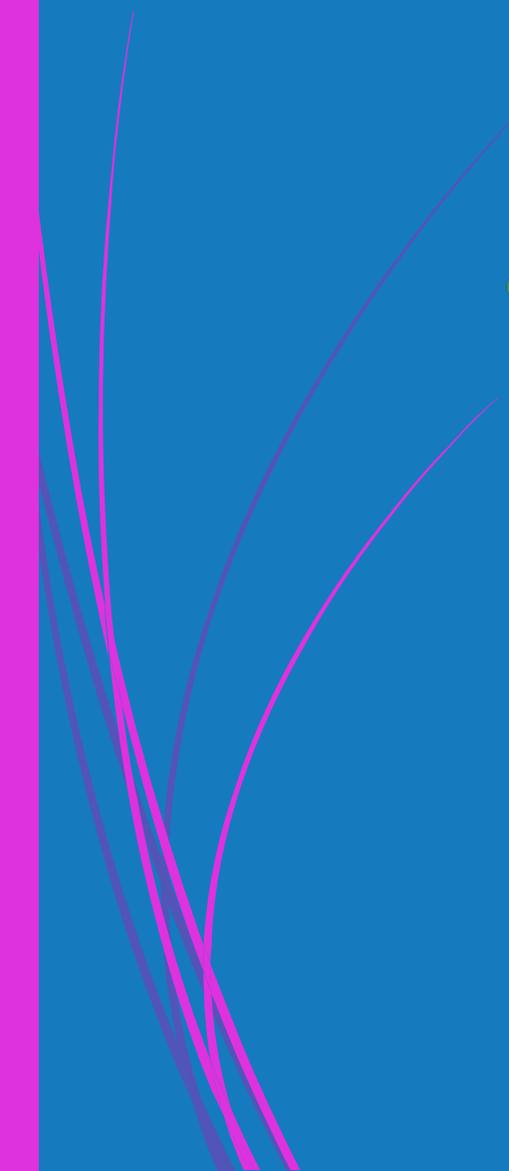
Wood is made of tiny fibers called cellulose and the glue that holds them together is called lignin.

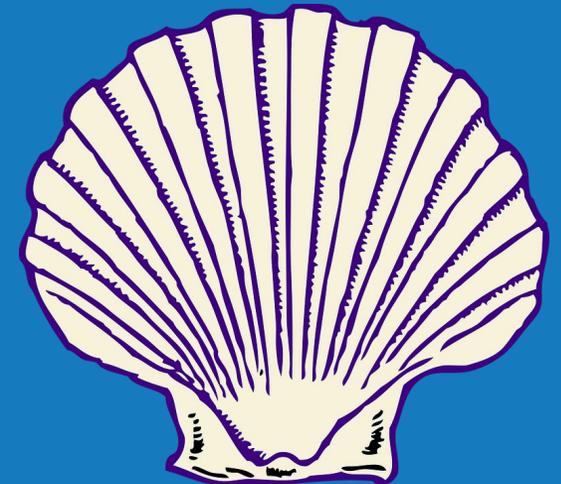
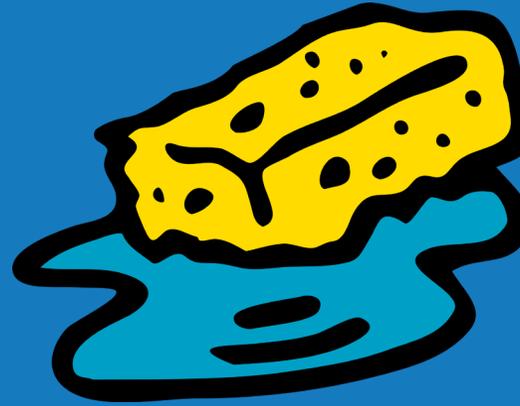
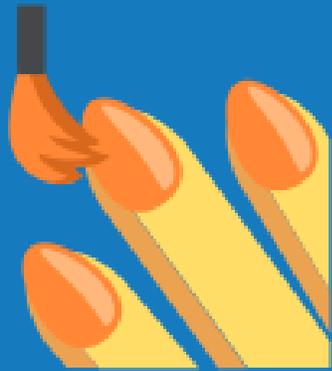


WHAT COMES FROM A TREE

We are going to look at a variety of different things.

Raise your hand if you think they have tree products in them.





Raise your hand if you think they are made with tree products.

➡ NAIL POLISH

➡ TOOTHPASTE

➡ CELLOPHANE

➡ RAYON

➡ PING PONG BALLS

➡ HAIR SPRAY

➡ RUBBER GLOVES

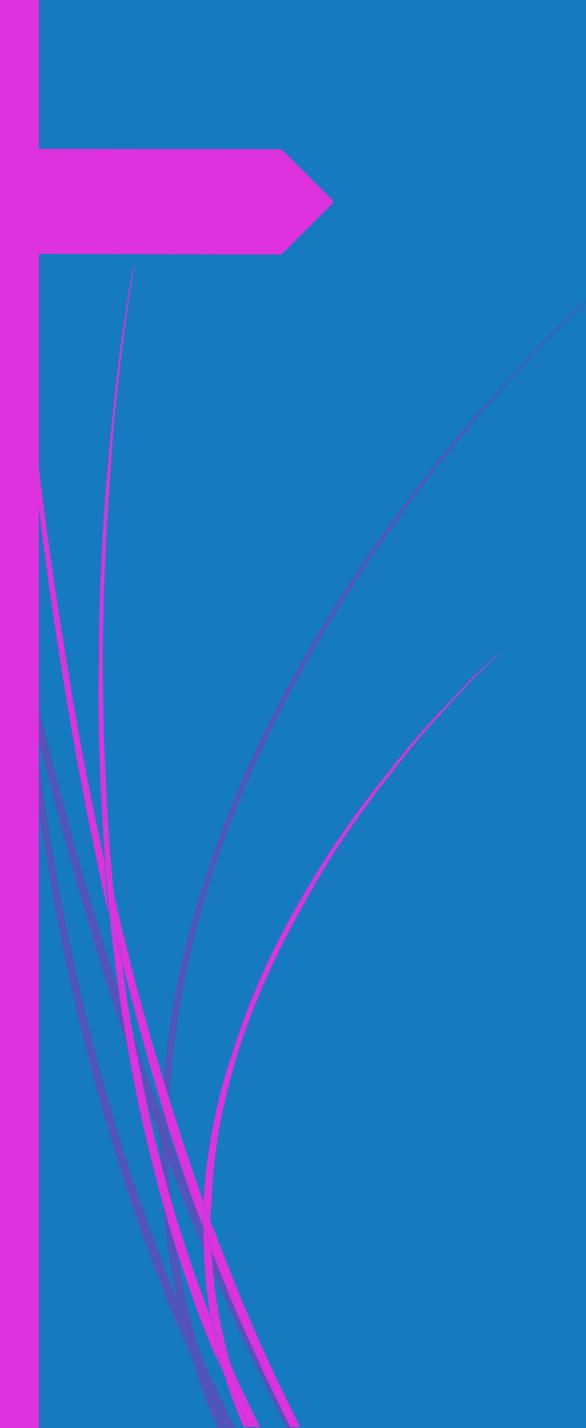
➡ BABY FOOD

➡ SPONGE

➡ GOLF BALL

➡ PARMASEAN CHEESE

➡ SEA SHELL



Everything on the list except the sea shell is made with tree products.

They use cellulose & pulp from trees in a lot of products.

When making paper and other products from trees, there a lot of stuff that is left over. They don't let it go to waste by using the left over stuff in other products.





**LET'S HELP KEEP
OUR PLANET
GREEN**

How can we keep our planet green?

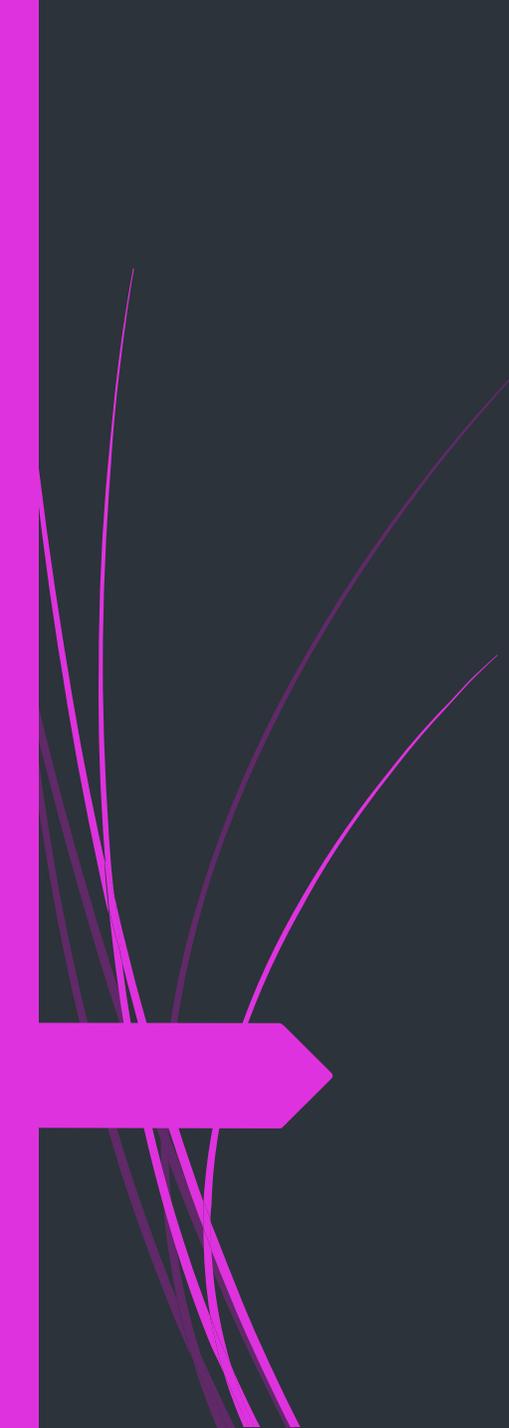
- ▶ Reduce electricity use, turn off lights when we leave the room.
- ▶ Reduce water waste, turn off the faucet while brushing our teeth
- ▶ Use rechargeable batteries instead of disposable batteries in our electronics & toys.
- ▶ Use both sides of the paper to color & draw.
- ▶ Use canvas shopping bags instead of plastic.



How can we keep our planet green?

- ▶ Don't use straws, they just pollute.
- ▶ Bring your lunch in a re-usable lunch bag.
- ▶ Use re-fillable containers to bring your lunch instead of plastic bags.
- ▶ Refill a water bottle instead of buying bottled water.
- ▶ Wash dishes & clothes with a full load.
- ▶ Don't throw recyclables in the trash.
- ▶ Donate unwanted items instead of throwing them away.





MYTHOLOGY

SOCIOLOGY

FAECABULARY

➤ What is half man & half horse?





FAECABULARY

➔ What is half man & half horse?

CENTAUR

FAECABULARY

➤ What is half man & half bull?





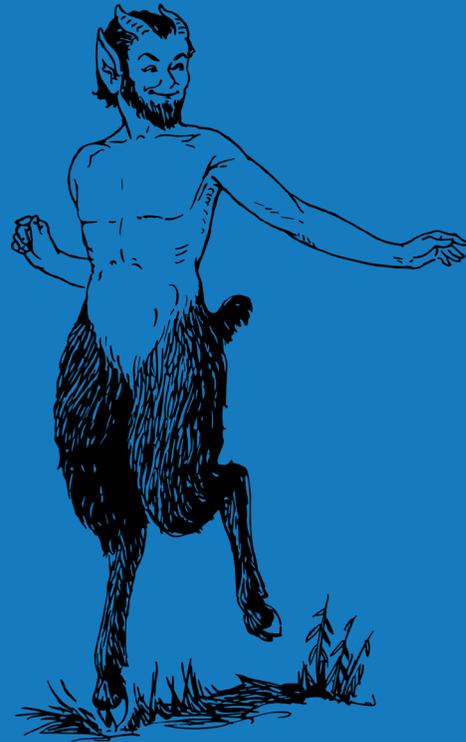
FAECABULARY

➔ What is half man & half bull?

MINOTAUR

FAECABULARY

➤ What is half man & half goat?





FAECABULARY

➔ What is half man & half goat?

SATYR

FAECABULARY

➡ What is half man & half fish?





FAECABULARY

➔ What is half man & half fish?

MERMAN



ENTOMOLOGY

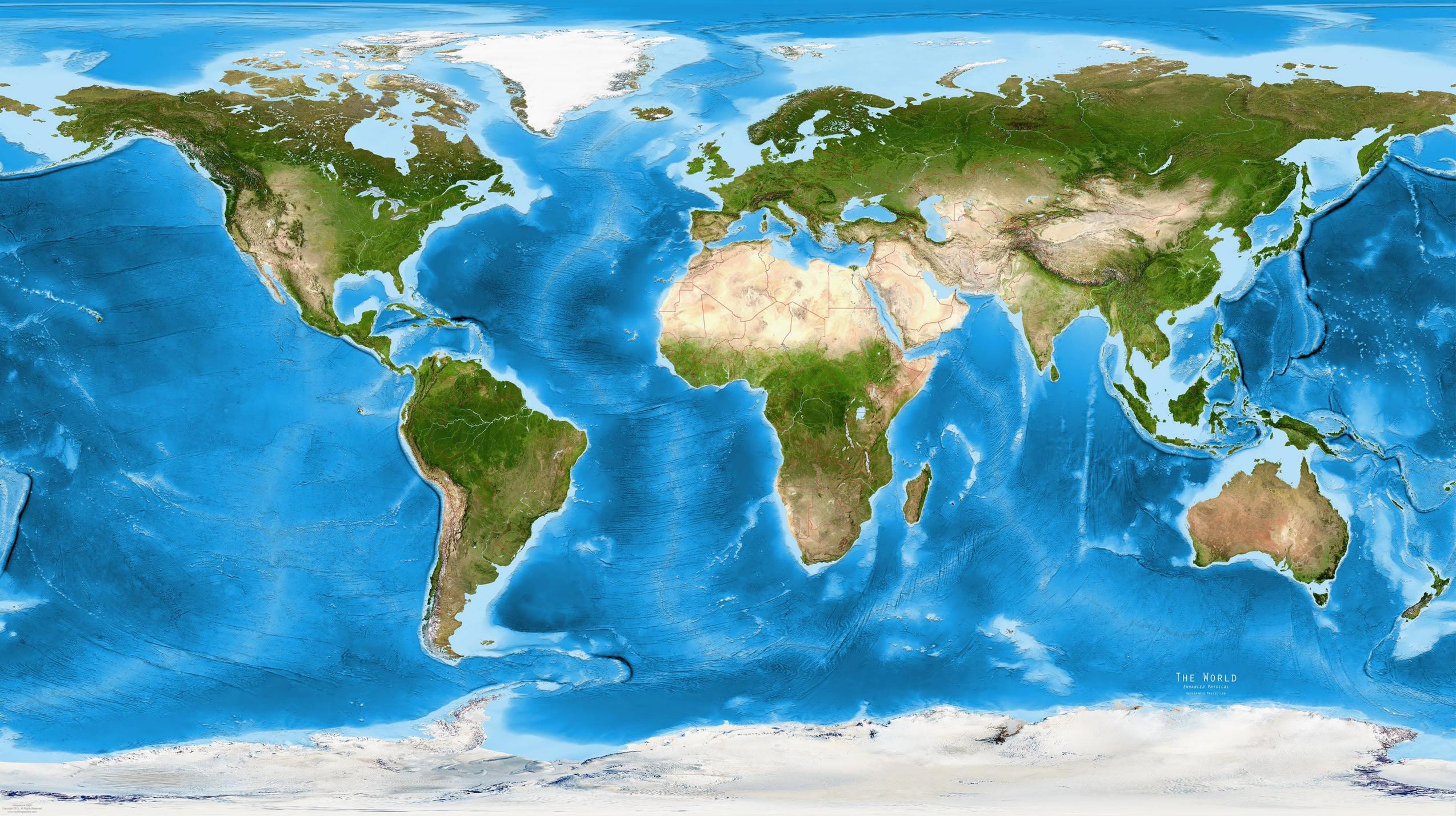
NATURE SCIENCE



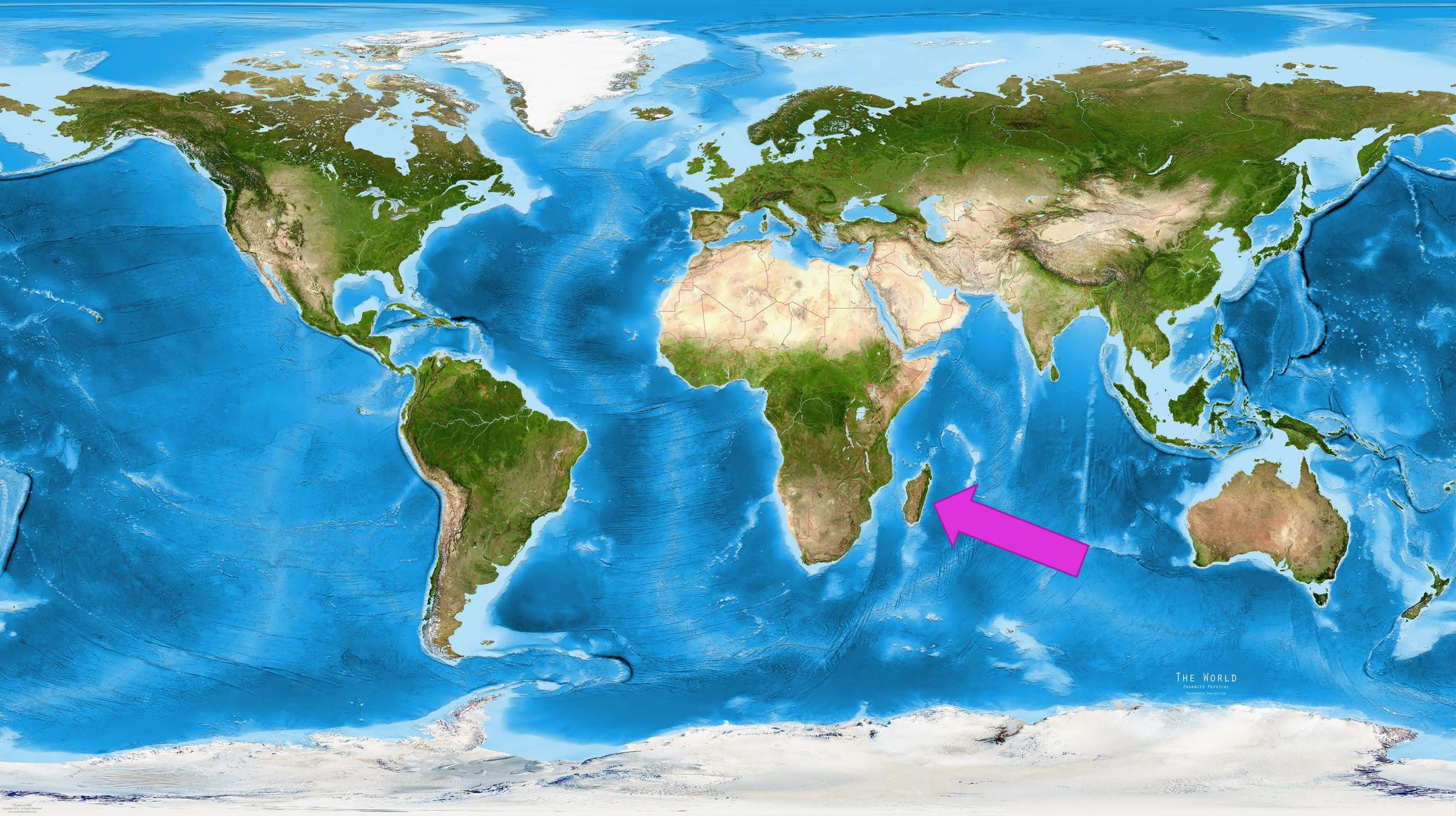
LIVE BUGS

Do you know
where Madagascar
is on the map?





THE WORLD
ENHANCED PHYSICAL
ROSSIGNOL PROJECTION

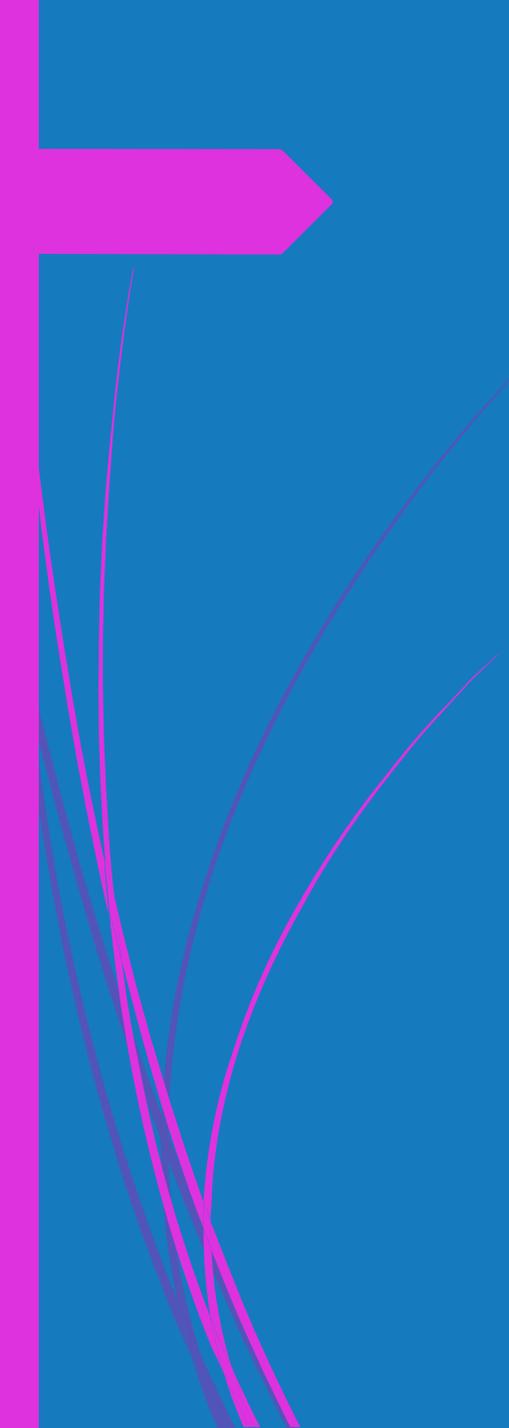


THE WORLD
ENHANCED PHYSICAL
ROBINSON PROJECTION



MADAGASCAR





LIVE BUGS

From the island of
Madagascar we find
a very cool & unique
creature.

LIVE BUGS

MADAGASCAR
GIANT
HISSING
COCKROACH



They molt their
exoskeleton!





NATURAL

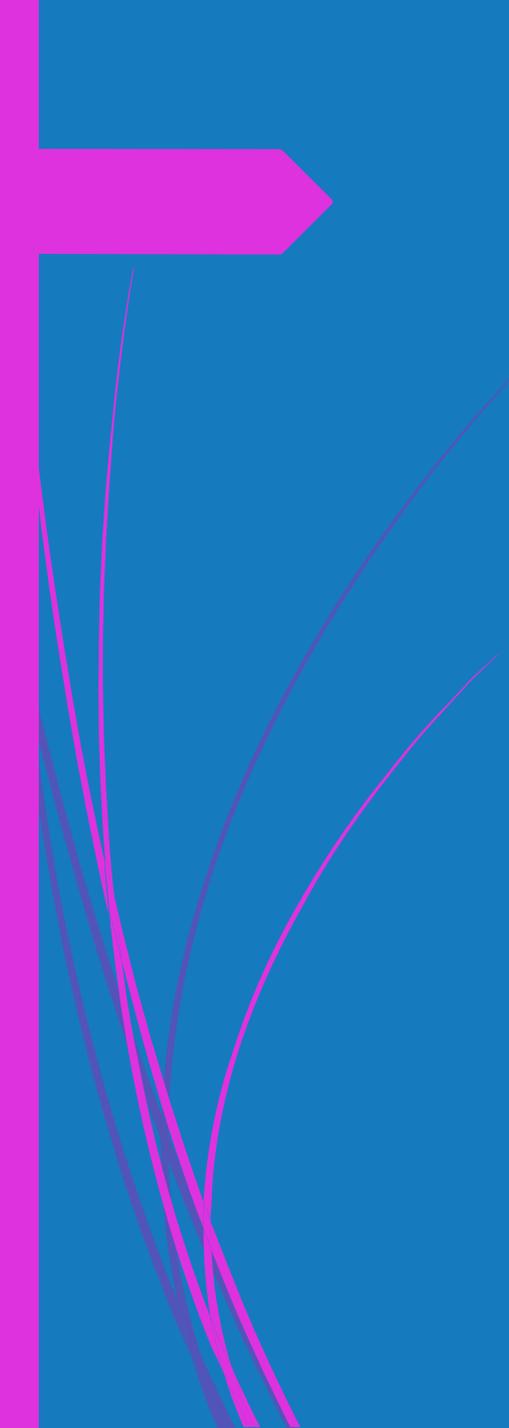
HISTORY

DATA COLLECTION



**WORLD
HISTORY
TECHNOLOGY**





SHIP'S PRISM

Back in times of old, there was no electricity, not a switch to flick on for light. If you needed light to see in the dark, you lit a candle. On tall ships below deck you could not light a candle with gun powder nearby or you could be having a fire or even worse, an explosion that puts a hole in the ship and sinks you.

What they did was create glass prisms, recycling old glass bottles. They melted down the glass at high temperatures & poured into molds. Then they cut holes in the deck of the ship and installed the prisms so that light would shine down through the prism & spread light below deck.

For the Captain's quarters, you might have found colored glass prisms.





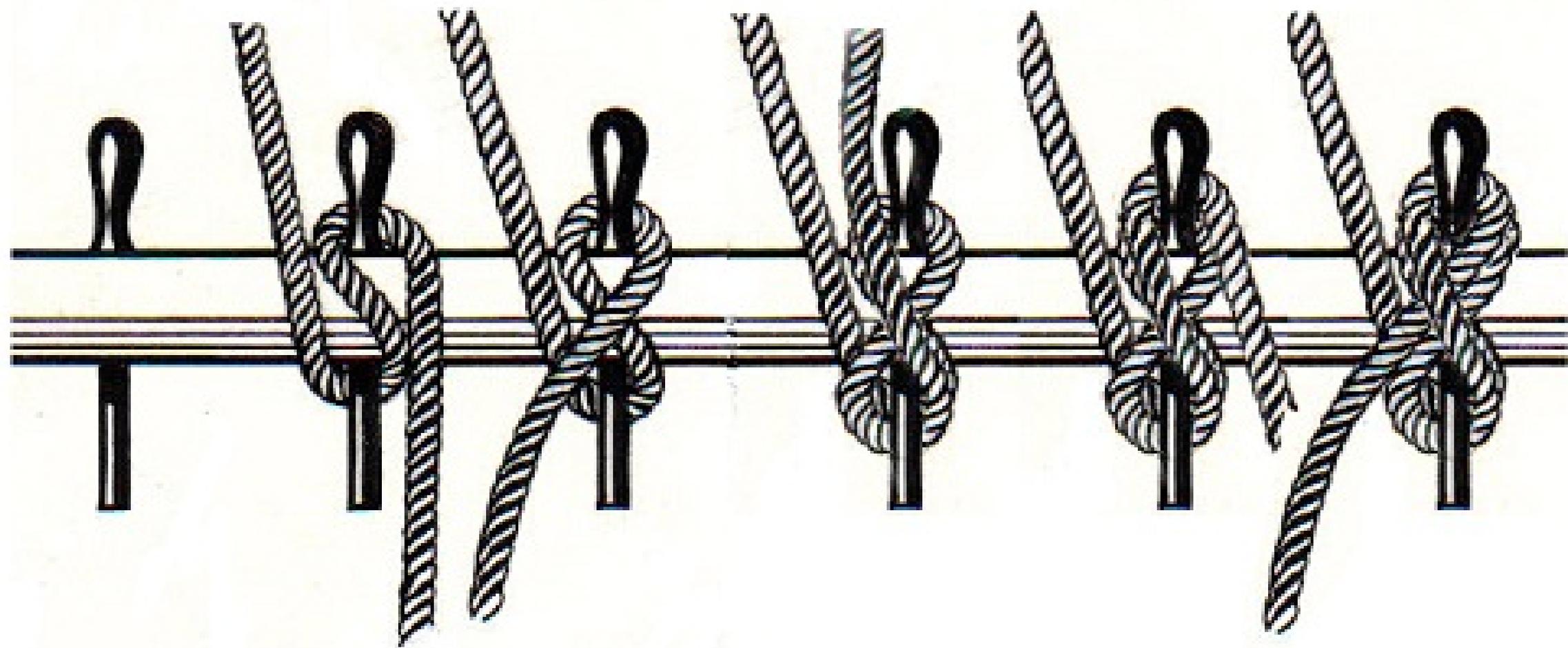
©Mystic Seaport, Dig. #2004-7-9, CHARLES W. MORGAN Deck Prism, Photo by Judy Beisler















WORLD

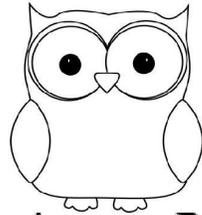
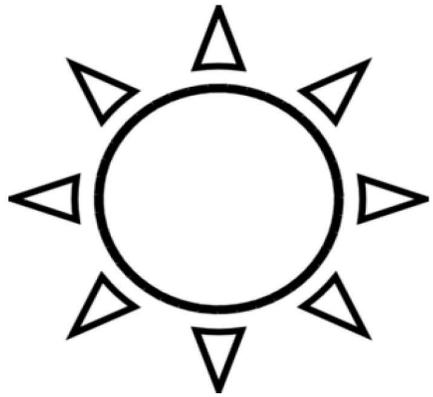
HISTORY

CELTIC EXPLORERS?



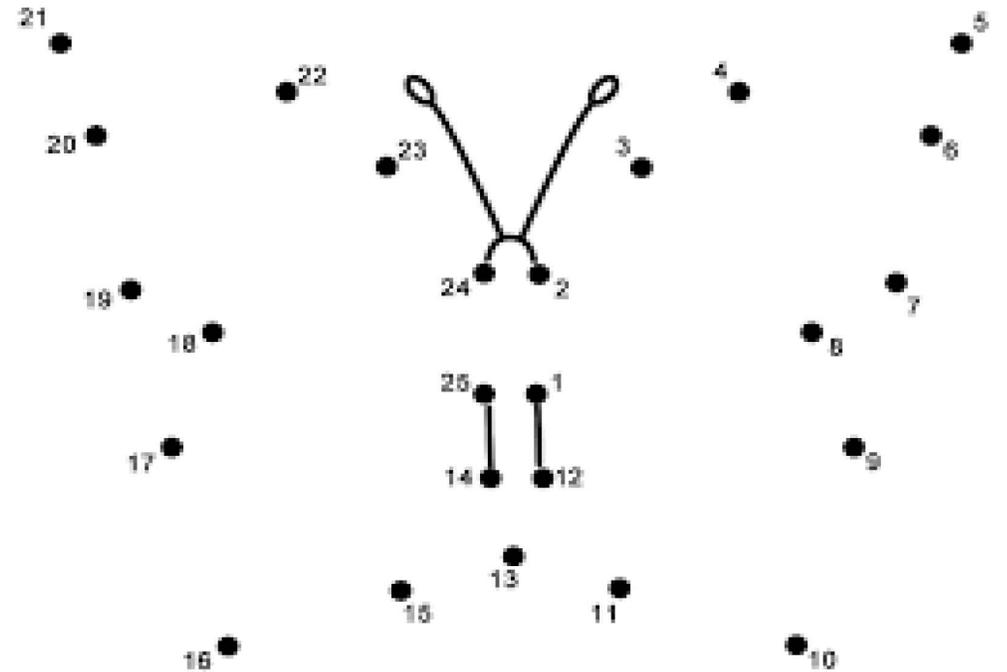
ACTIVITY

BOOK



Kaotic MYTHICALS

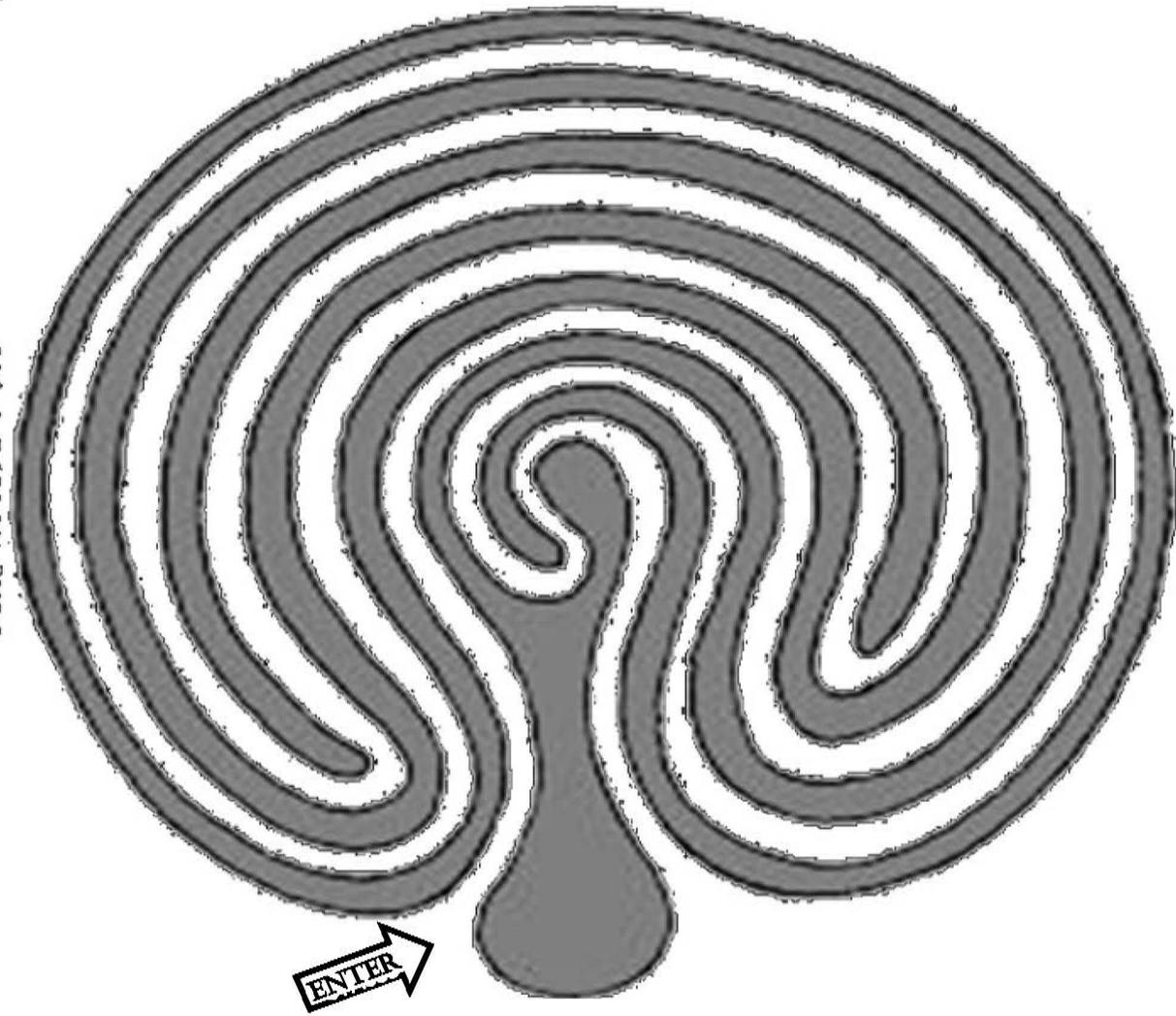
Activity Book



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FIND YOUR WAY
THROUGH THE LABYRINTH



MYTHICAL CREATURES

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

CENTAUR
 FAIRY
 MERMAN
 SATYR
 TROLL

DRAGON
 KATSUNE
 MINOTAUR
 SELKIE
 UNICORN

ELF
 MERMAID
 PEGASUS
 TREEFOLK



WRAP UP



CLOSING



CLOSING

Thank you for having us in your classroom today!

We hope you had fun & learned something today as well!

We hope to see you and your family at the next event we will be at with lots more fun & activities!!!