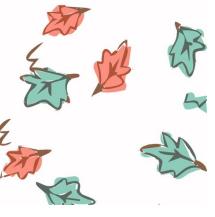
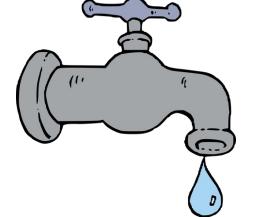
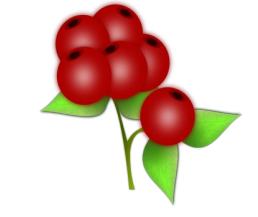
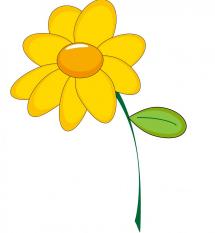
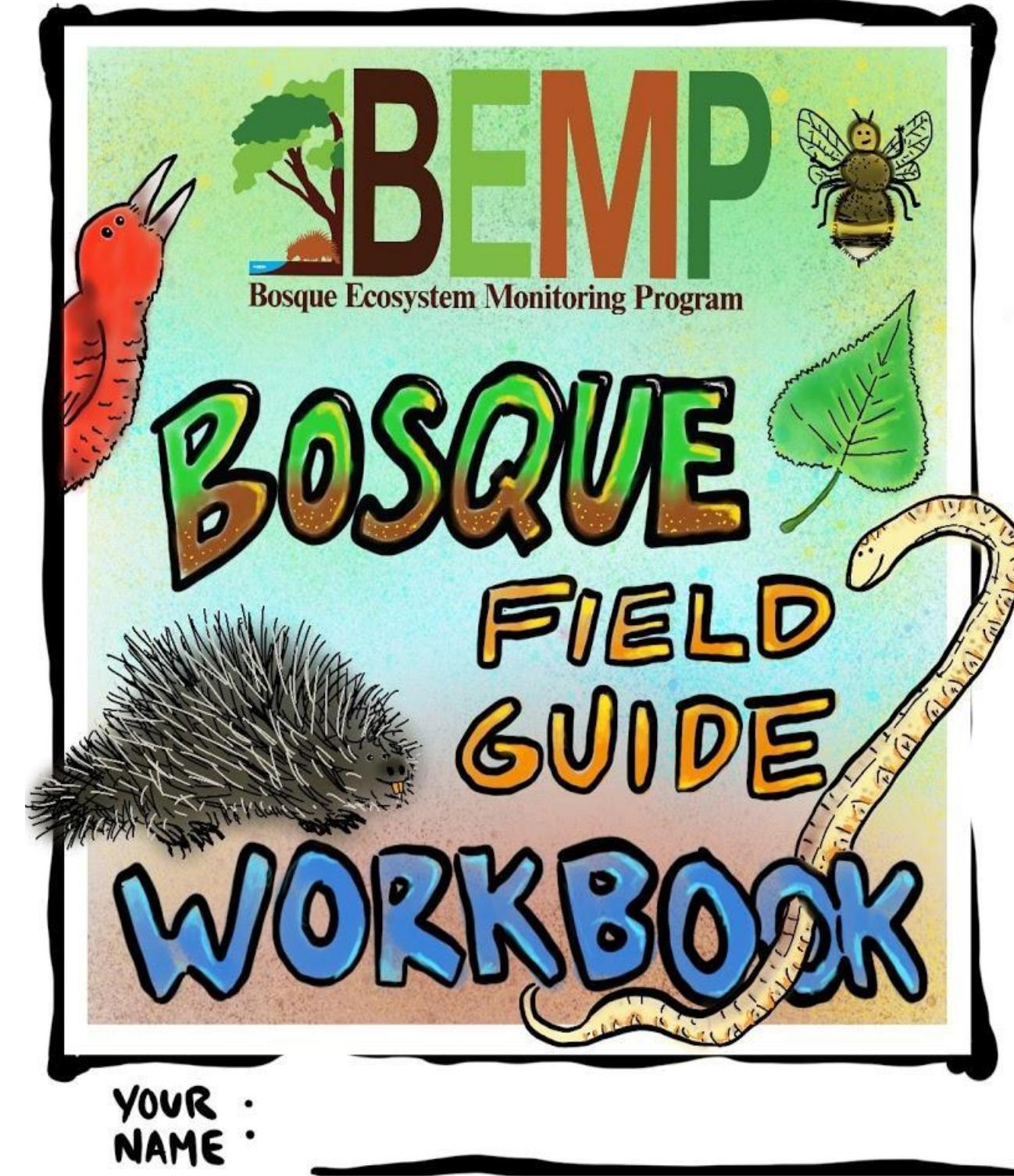




BEMP BINGO

Can you get
a blackout?

Bagworm 	Storm drain 	Bird nest 	Green leaves 
Falling leaves 	Water leak 	Animal Track 	Fruit 
Flower 	Small bird 	Seeds 	Leaky car 
Litter 	Scat 	Raptor 	Arthropod 



WHO LIVES IN THE BOSQUE?

Russian Olive



Salt Cedar



Golden Currant



Cottonwood



PUT AN "X" THROUGH THE SPECIES THAT DO NOT LIVE IN THE BOSQUE

(HINT: ONE DOES NOT LIVE HERE)

Coyote Willow



Baobab



Find 3 different plants to monitor near you. Circle Yes or No for each row to record in which phase the plant is at. If you are not sure, circle ?. You can use iNaturalist to help you figure out which species of plants you are monitoring.

What did you see?	Plant 1	Plant 2	Plant 3
Leaves	Yes No ?	Yes No ?	Yes No ?
Colored leaves	Yes No ?	Yes No ?	Yes No ?
Falling leaves	Yes No ?	Yes No ?	Yes No ?
Flowers or flower buds	Yes No ?	Yes No ?	Yes No ?
Fruits	Yes No ?	Yes No ?	Yes No ?

Animals I saw today:

PHENOLOGY: THE STUDY OF WHEN AND HOW PLANTS AND ANIMALS CHANGE BASED ON THE SEASONS

What clues of the season do you expect to see in the plants and animals today?

Plants	Animals

Time: _____ am or pm

Today's weather (circle one):



THERE ARE MANY PLANTS IN THE BOSQUE. SOME ARE NATIVE (ORIGINALLY FROM NEW MEXICO) AND SOME ARE EXOTIC (ORIGINALLY FROM SOMEWHERE ELSE). MATCH THESE LEAVES WITH THEIR PLANTS AND GUESS IF THEY ARE NATIVE OR EXOTIC.



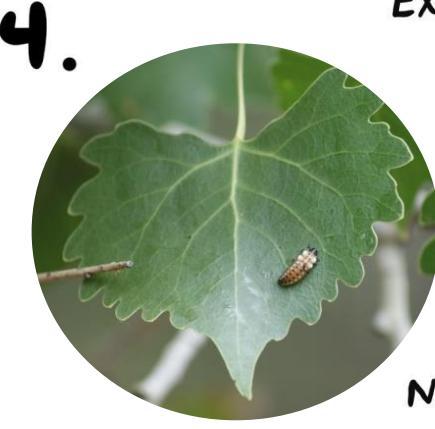
NATIVE
EXOTIC



NATIVE
EXOTIC



NATIVE
EXOTIC



NATIVE
EXOTIC



NATIVE
EXOTIC

FIND A LEAF AND TAPE IT ONTO THIS PAGE. WHAT IS THE NAME OF THE PLANT IT CAME FROM? WRITE THE NAME OF THE SPECIES BELOW. IS IT NATIVE OR EXOTIC?

NATIVE

CIRCLE ONE

EXOTIC

SPECIES

FIELD JOURNAL

YOUR NAME

TODAY'S DATE

WEATHER
(CIRCLE ONE)



DRAW SOMETHING YOU OBSERVED

DESCRIBE WHAT YOU OBSERVED:

FIELD JOURNAL

WEATHER
(CIRCLE ONE)



YOUR NAME

TODAY'S DATE

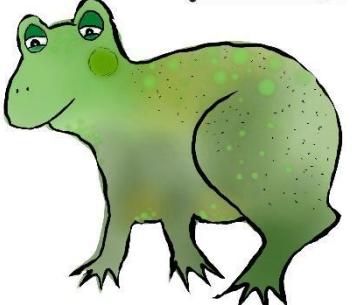
DRAW SOMETHING YOU OBSERVED

DESCRIBE WHAT YOU OBSERVED:

NOW OBSERVE THE LEAF TAPED
ON THE OPPOSITE PAGE. CAN
YOU SEE VEINS? DOES IT HAVE
A STEM? ARE ITS EDGES SMOOTH?
SPIKY? WAVY? DRAW YOUR LEAF
HERE AND WRITE DOWN ANY
OBSERVATIONS YOU HAVE MADE.

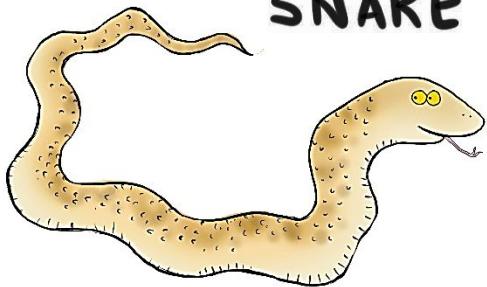
REPTILE OR AMPHIBIAN?

FROG



REPTILE OR AMPHIBIAN?

SNAKE



REPTILE OR AMPHIBIAN?

TURTLE



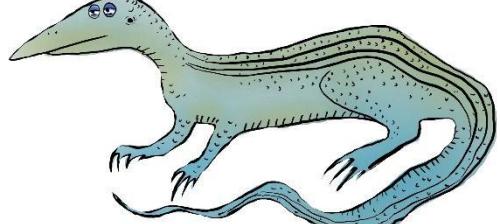
REPTILE OR AMPHIBIAN?

SALAMANDER



REPTILE OR AMPHIBIAN?

LIZARD



REPTILE OR AMPHIBIAN?

ANSWERS

ARTHROPODS

FIELD CRICKET - ORTHOPTERA

HARVESTER ANT - HYMENOPTERA

GREEN DARNER - ODONATA

CHECKERED WHITE - LEPIDOPTERA

GROUND BEETLE - COLEOPTERA

WOLF SPIDER - ARACHNIDA

PILL BUG - ISOPODA

MOSQUITO - DIPTERA

FIREFLIES AND LUNA MOTHS
DO NOT LIVE IN THE BOSQUE!

ANSWERS

MAMMALS

- SCAT: 1) SKUNK - EATS EVERYTHING
2) BEAVER - EATS YOUNG TREES AND BARK
3) JACKRABBIT - EATS GRASS AND SMALL PLANTS
4) OTTER - EATS FISH, FROGS, AND OTHER AQUATIC ANIMALS
5) PORCUPINE - EATS TREE BARK, TWIGS, AND LEAVES
6) COYOTE - EATS EVERYTHING

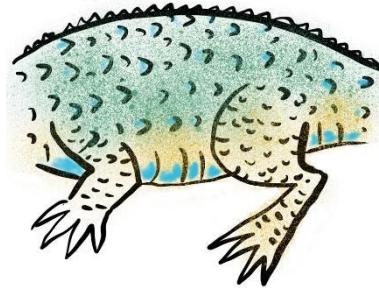
ANIMALS (CLOCKWISE): COYOTE, BLACK-TAILED JACKRABBIT, NORTH AMERICAN BEAVER, NORTH AMERICAN PORCUPINE, RIVER OTTER, STRIPED SKUNK

BROWN BEARS & PRONGHORN

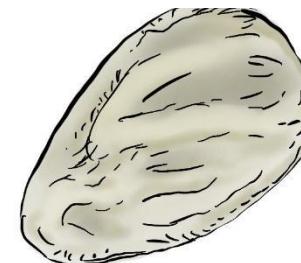
ANTELOPES DO NOT LIVE IN THE BOSQUE!

CONNECT THE TRAITS TO THE REPTILES AND/OR AMPHIBIANS THAT HAVE THEM

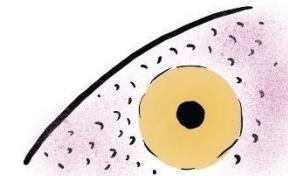
SCALY SKIN



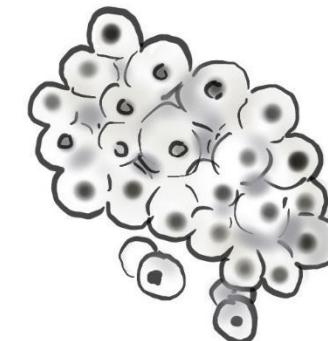
LEATHERY EGGS



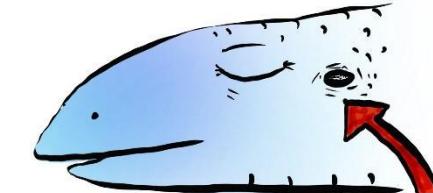
NO EYELIDS



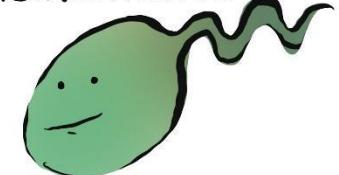
EYELIDS



EXTERNAL EAR HOLES

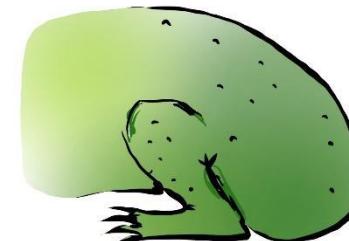


METAMORPHOSIS



(TRANSFORM FROM LARVA TO ADULT)

JELLY-LIKE EGGS



PERMEABLE SKIN

(CAN ABSORB OXYGEN)

WHO LIVES IN THE BOSQUE?

PUT AN "X" THROUGH THE
SPECIES THAT DO NOT
LIVE IN THE BOSQUE

Box Turtle



King Cobra



Fence Lizard



Coachwhip



Painted Turtle



Bull Frog



New Mexico Whiptail Lizard



Gopher Snake



Iguana



(HINT: TWO DO NOT LIVE HERE)

Woodhouse's Toad



Tiger Salamander



ANSWERS

BIRDS

- 1 - c
- 2 - d
- 3 - b
- 4 - a

SNOWY OWLS, TOUCANS, AND
NORTHERN CARDINALS DO
NOT LIVE IN THE BOSQUE!

ANSWERS

REPTILES & AMPHIBIANS

ALL SNAKES ARE NOT VENEMOUS

ALL LIZARDS DO NOT HAVE LEGS

LIZARDS CAN REGROW THEIR TAILS

SALAMANDERS CAN REGROW THEIR LEGS

ALL REPTILES & AMPHIBIANS DO NOT LAY EGGS

ALL SNAKES ARE PREDATORS

ALL TURTLES ARE NOT HERBIVORES

KING COBRAS AND IGUANAS DO
NOT LIVE IN THE BOSQUE !

TRUE or FALSE

All snakes are venomous TRUE
FALSE

All lizards have legs TRUE
FALSE

All reptiles and amphibians lay eggs TRUE
FALSE

All turtles are herbivores TRUE
FALSE

Salamanders can regrow their legs TRUE
FALSE

Lizards can regrow their tails TRUE
FALSE

All snakes are predators TRUE
FALSE



WHO LIVES IN THE BOSQUE?

PUT AN "X" THROUGH THE SPECIES THAT DO NOT LIVE IN THE BOSQUE

(HINT: TWO DO NOT LIVE HERE)



9

ANSWERS

REPTILES & AMPHIBIANS

TURTLE - EYELIDS, SCALY SKIN,
LEATHERY EGGS
(REPTILE)

SALAMANDER - EYELIDS, PERMEABLE
SKIN, METAMORPHOSIS
(AMPHIBIAN)

SNAKE - NO EYELIDS, SCALY SKIN,
LEATHERY EGGS
(REPTILE)

LIZARD - EYELIDS, SCALY SKIN,
LEATHERY EGGS, EXTERNAL
EAR HOLES (REPTILE)

FROG - EYELIDS, PERMEABLE SKIN,
METAMORPHOSIS
(AMPHIBIAN)

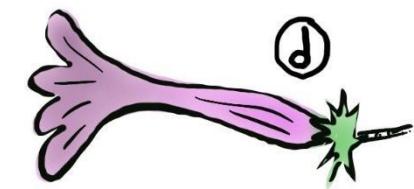
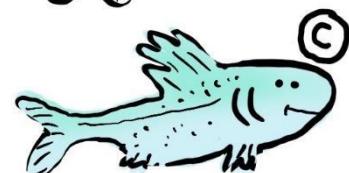
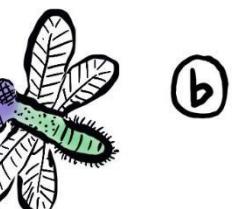
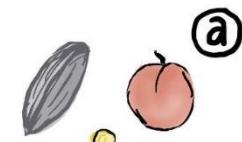
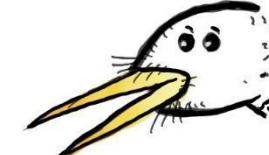
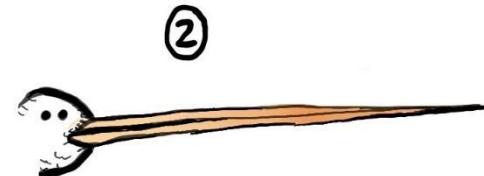
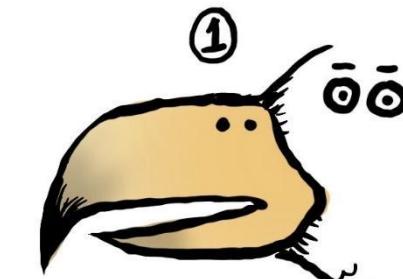
ANSWERS

PLANTS

1. RUSSIAN OLIVE, EXOTIC
2. SALTCEDAR (TAMARISK), EXOTIC
3. COYOTE WILLOW, NATIVE
4. COTTONWOOD, NATIVE
5. GOLDEN CURRANT, NATIVE

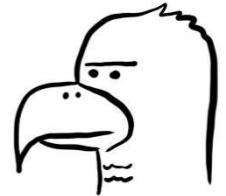
AVIAN ADAPTATIONS

DRAW A LINE CONNECTING THE BIRD'S BEAK TO THE FOOD ITEM IT IS BEST ADAPTED TO

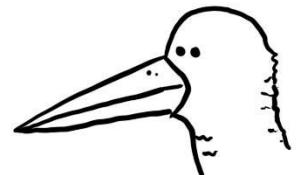


WHAT IS AN ADAPTATION?

BUILD A BIRD
DRAW A HEAD,
TAIL, LEGS, AND
FEET. THEN ADD
SOME COLORS AND
MARKINGS & THEN
NAME YOUR CREATION!

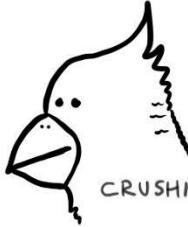


TEARING



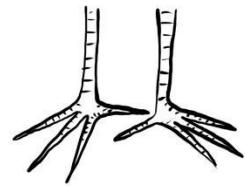
PROBING OR
SPEARING

**HEADS
&
BEAKS**

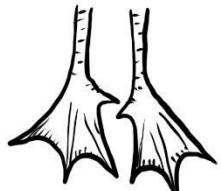


CRUSHING

**LEGS
&
FEET**



WALKING

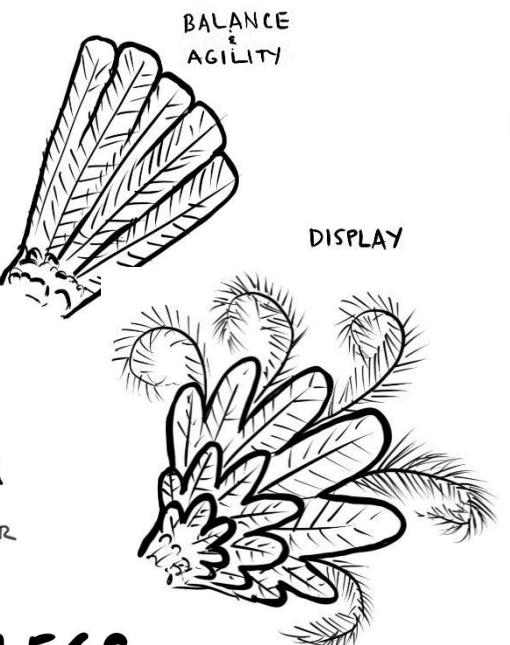


SWIMMING



GRASPING

TAILS



CHOOSE FROM
THESE OR INVENT
YOUR OWN!

**INVENT AN
ARTHROPOD**

DRAW YOUR ADULT
ARTHROPOD HERE

WHAT IS MY NAME?

WHERE DO I LIVE?

WHAT DO I EAT?

I'M A LARVAL (BABY) ARTHROPOD
THAT LIVES UNDERWATER LIKE
BABY DRAGONFLIES, MAYFLIES,
DAMSELFLIES, AND SOME BEETLES.
SOON I WILL TRANSFORM
(METAMORPHOSE) INTO AN ADULT
THAT LOOKS NOTHING LIKE I
DO NOW.



WHAT IS MY NAME?

WHERE DO I LIVE?

WHAT DO I EAT?



WHO LIVES IN THE BOSQUE?

North American Porcupine



Beaver



PUT AN "X" THROUGH THE SPECIES THAT DO NOT LIVE IN THE BOSQUE

(HINT: TWO DO NOT LIVE HERE)
Pocket Gopher



Black-tailed Jackrabbit



Striped Skunk



Coyote



Pronghorn Antelope



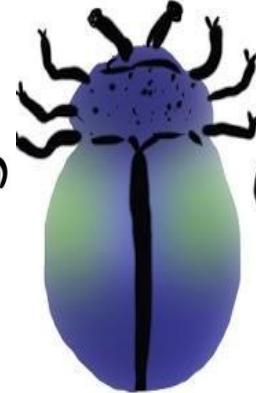
Brown Bear



North American River Otter



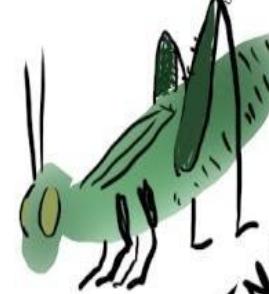
"ORDERS" ARE GROUPS CONTAINING DIFFERENT FAMILIES THAT ALL SHARE SIMILAR TRAITS. TRY TO CONNECT EACH BOSQUE ARTHROPOD WITH ITS CORRECT ORDER.



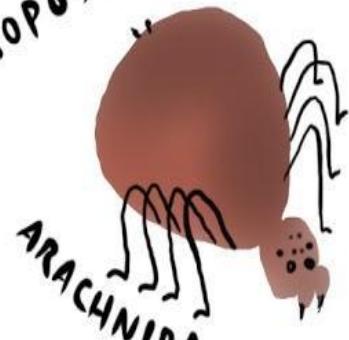
COLEOPTERA



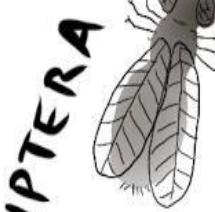
ISOPODA



HYMENOPTERA



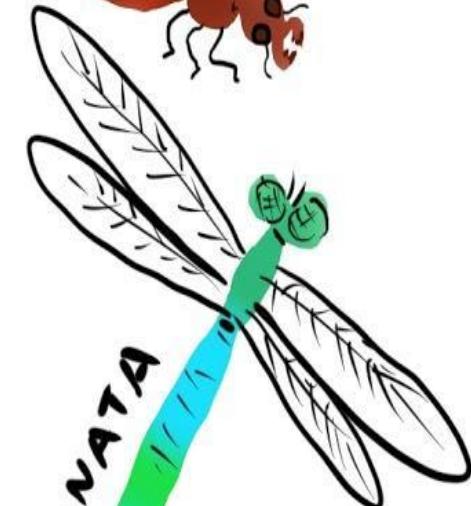
ARACHNIDA



DIPTERA



LEPIDOPTERA



ODONATA

arthropod orders

WHO LIVES IN THE BOSQUE?

Field Cricket



Harvester Ant



PUT AN "X" THROUGH THE
SPECIES THAT DO NOT
LIVE IN THE BOSQUE

(HINT: TWO DO NOT LIVE HERE)

Green Darner



Checkered White



Ground Beetle



Firefly



Wolf Spider



Pill Bug



Luna Moth



Mosquito



BOSQUE MAMMAL TRACKS

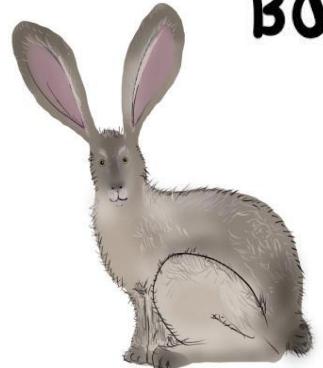
CHOOSE A BOSQUE MAMMAL
AND DRAW WHAT YOU THINK
ITS TRACKS LOOK LIKE.
HOW MANY TOES DOES IT
HAVE? DO ITS FRONT AND
REAR PAWS LOOK DIFFERENT?

FRONT

REAR

NAME OF MAMMAL

BOSQUE MAMMALS



WHO AM I ?



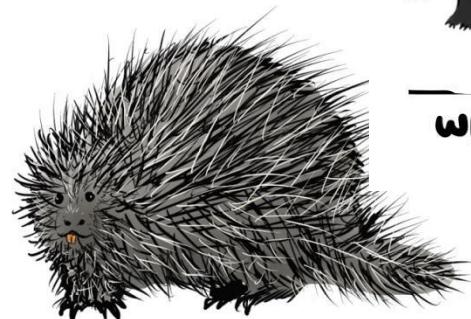
WHO AM I ?



WHO AM I ?



WHO AM I ?



WHO AM I ?



WHO AM I ?

WHO SCAT THAT?



WHO POOPED ME?



WHO POOPED ME?



WHAT DO I EAT?



WHO POOPED ME?



WHO POOPED ME?



WHAT DO I EAT?

WHO POOPED ME?

WHAT DO I EAT?