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EXPLORING CREATION WITH
ZOOLOGY 1
FLYING CREATURES OF THE FIFTH DAY
2nd EDITION

Two Days a Week Suggested Schedule

Please feel free to adjust this schedule to fit your family's needs.

BEFORE YOU BEGIN

- Textbook Introduction p. 10–12
- Notebooking Journal (NJ) Parent Guide p. xvii–xviii
 - Coloring pages, Fascinating Facts, Creativity Pages, and some others are not included in the daily lessons. They are to be used as the parent/student decide.
 - Please review the Nature Journal pages found after Lesson 14 in this Notebooking Journal and make plans to include them throughout your year of studying Zoology 1.

WEEK 1

LESSON 1 – WHAT IS ZOOLOGY?

Textbook p. 14–16
Activities 1.1–1.2
NJ p. 26–27

LESSON 1 – WHAT IS ZOOLOGY?

Textbook p. 17–23
Activities 1.3–1.5
NJ p. 26–28

LESSON 1

WHAT IS ZOOLOGY?

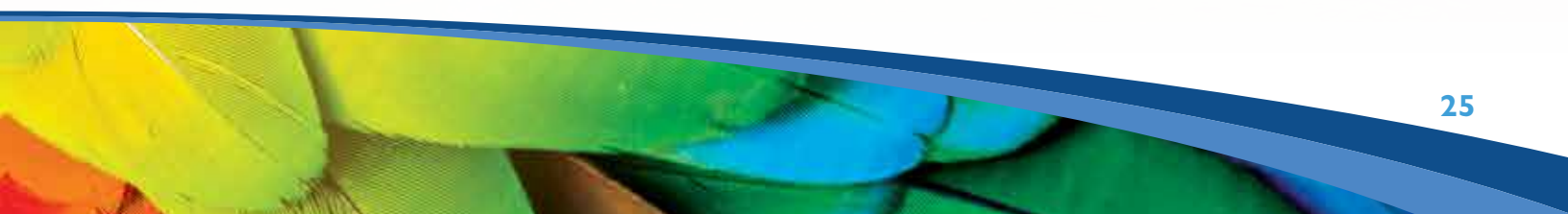




ZOOLOGY 1

FASCINATING FACTS AND PERSONAL REFLECTIONS

A large blue arc at the top of the page frames a background of flying birds. A dotted line on the left side of the arc indicates a cut-out area. The page contains several horizontal blue lines for writing.



Activity 1.1

NATURE JOURNALING

This Notebooking Journal has a special section in the back for you to record your time enjoying nature. Please use those pages throughout this year to record your experiences and thoughts.



Activity 1.3

COUNT THE SWALLOWTAILS

Circle all of the swallowtails. Then check your answer in the back of your textbook.



Activity 1.2

GO ON A NATURE SCAVENGER HUNT

I found the following on my Scavenger Hunt:

- o A hole in a tree high above the ground
- o A leaf with eggs laid on the underside
- o A leaf with eggs laid on the upper side
- o A gall (an unusual growth) on a leaf or a plant (oak leaves and branches commonly have them)
- o A beetle
- o An anthill
- o A bumblebee
- o A grasshopper that has wings and can fly (best found in late summer)
- o A praying mantis or one of its egg cases
- o A dragonfly
- o A butterfly with yellow colors
- o A butterfly with brown colors
- o A butterfly with orange colors
- o A butterfly that is mostly white
- o A caterpillar (the young version of a moth or butterfly)
- o The cocoon of a moth or the chrysalis of a butterfly
- o Three feathers found on the ground (NOTE: If you wish to collect them, the feathers must come from a game bird like a duck, goose, pheasant, chicken, dove, etc. Many other birds are protected as endangered species, and it is illegal to keep their feathers.)
- o A bird with red coloring on it
- o A bird with blue coloring on it
- o A bird's nest (Do not take it home!)
- o A bird soaring through the air
- o A flock of birds
- o A bird's eggshell on the ground (best found in spring or early summer)
- o A type of bird (other than a duck or goose) that is using water in some way
- o The sound of a bird singing (See if you can find it by following its sound.)
- o The sound of a woodpecker drumming
- o A bird carrying food or nesting material
- o A bat flying through the sky (Look for bats in the evening around dusk.)



Activity 1.4

NAME YOUR BUTTERFLY

Color your butterfly and write out its scientific name.



Scientific Name:

Activity 1.5

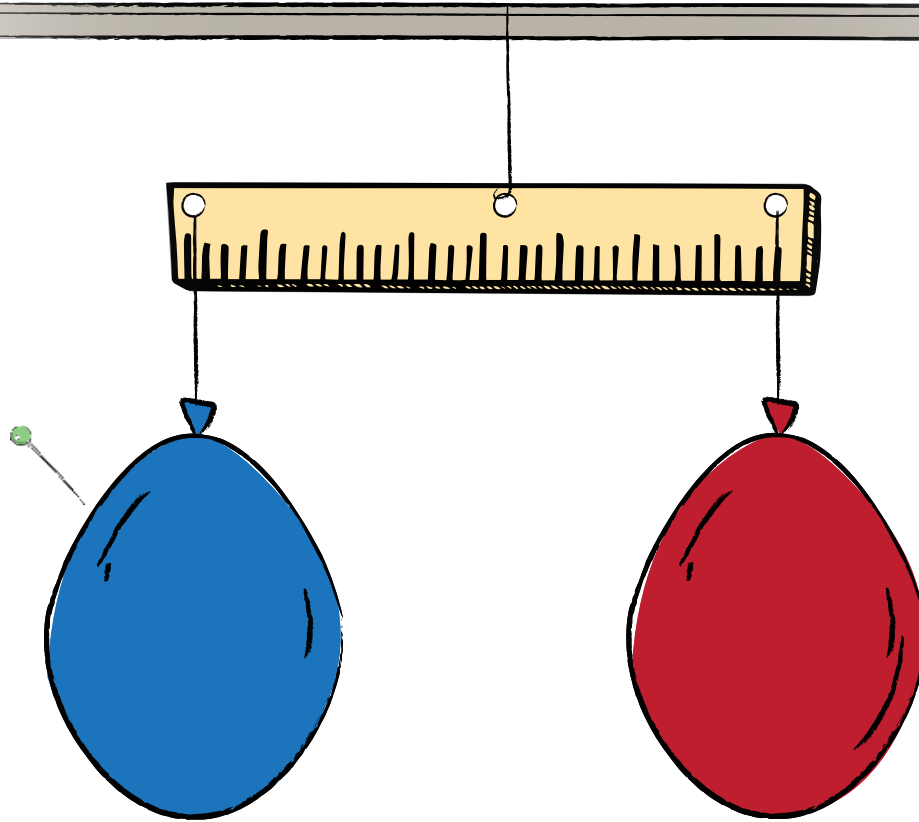
MAKE A MNEMONIC

Kingdom	Phylum	Class	Order	Family	Genus	Species
K	P	C	O	F	G	S

Activity 1.6

EXPERIMENT WITH AIR

Draw arrows to show what happened in your experiment.

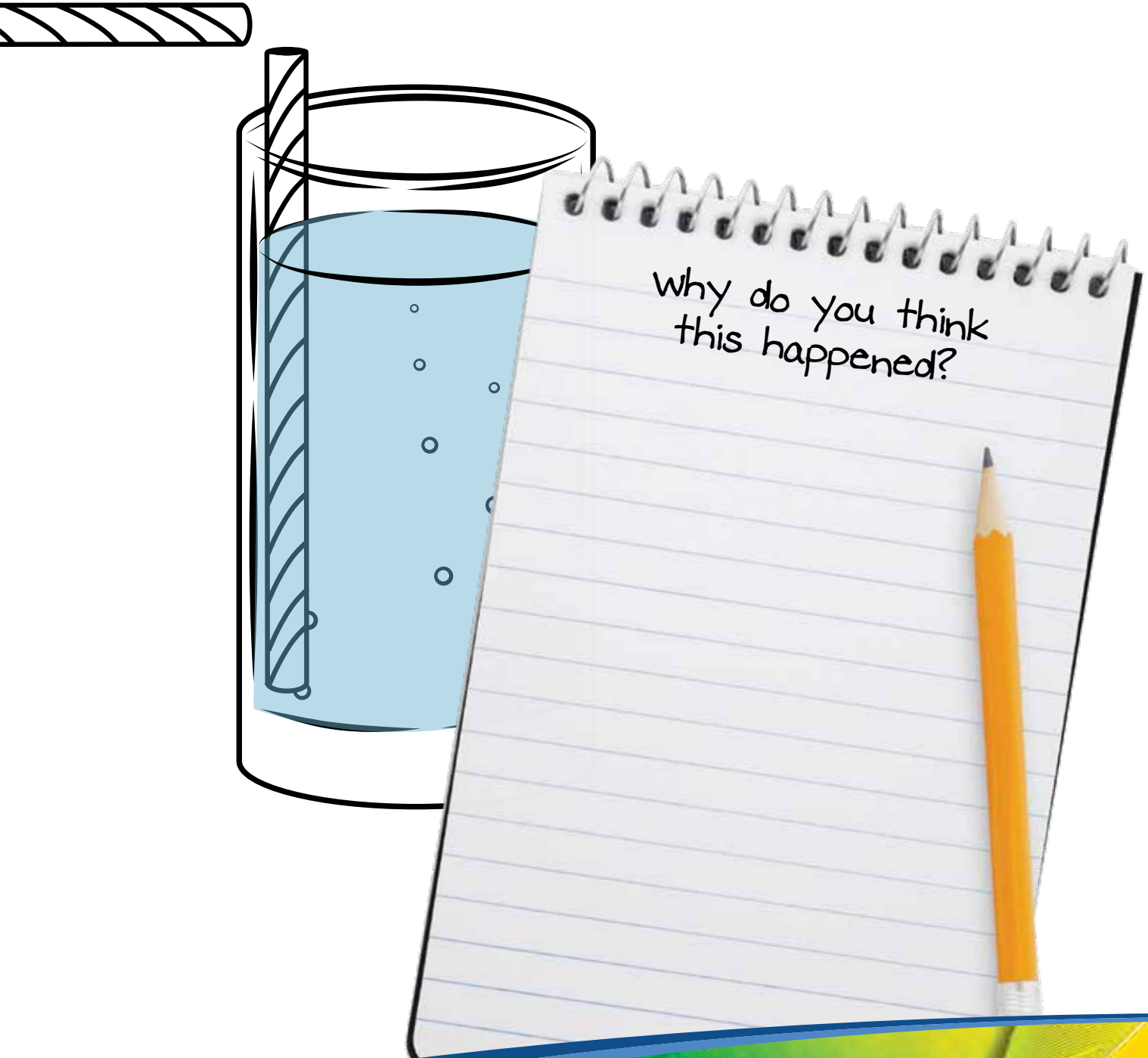


Why do you think this happened?

Activity 1.7

EXPERIMENT WITH AIR PRESSURE

Draw what happened to the water in the glass during your experiment.



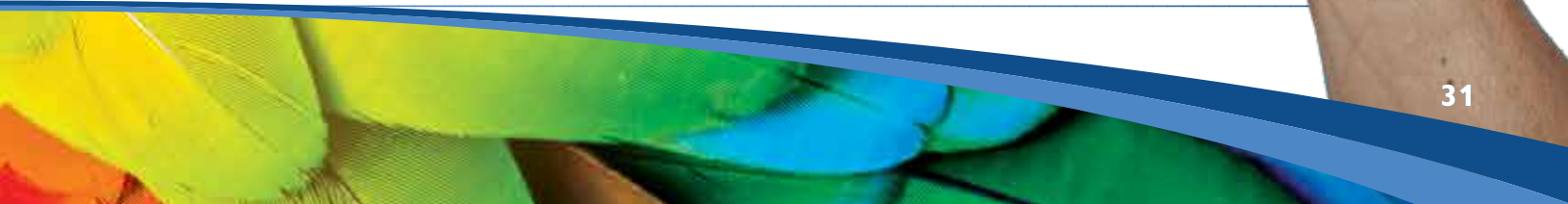
Activity 1.8

MAKE A PAPER AIRPLANE

my hypothesis

	PLANE 1	PLANE 2
Flight 1		
Flight 2		
Flight 3		

what I learned



Activity 1.9

MATCH ANIMALS TO THEIR HABITAT

Draw a line to connect the animal to its habitat and then check your answers in the back of your textbook.



Polar



Temperate Forest



Rain Forest



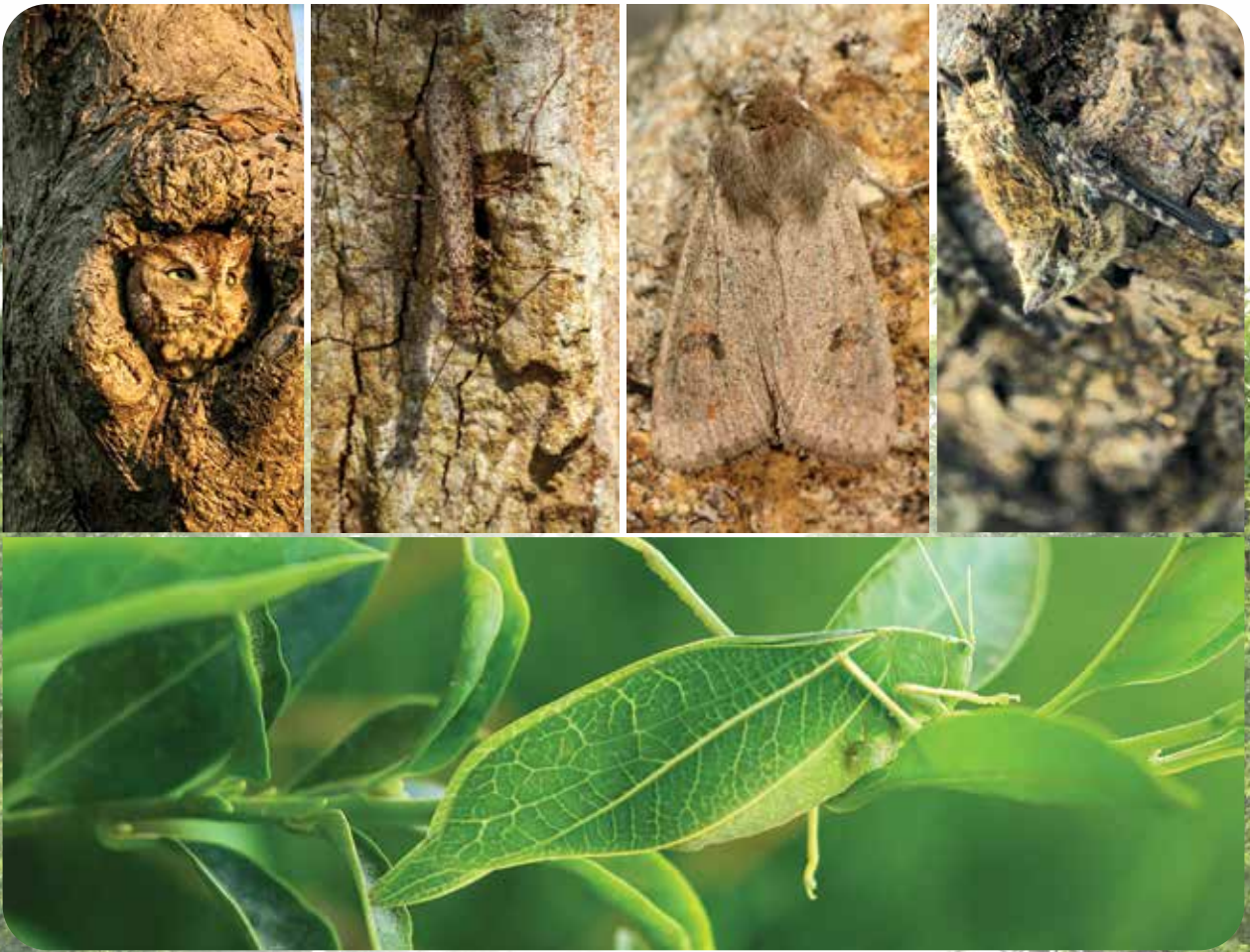
Desert



Activity 1.10

SPOT THE CAMOUFLAGE

Circle the animals hidden by their camouflage.
Then check your answers in the back of your textbook.



Vocabulary

WORD SEARCH QUIZ

Using the vocabulary words listed in all caps below, you will create a word search vocabulary quiz. Instead of looking at the word and then finding it in the word search, one must first guess which word it is and then begin to look for it in the word search. That's much harder than a regular word search.

1. Begin by filling the boxes in with the letters for each word. They can go any direction left or right, top or bottom, or diagonal - just like a regular word search puzzle.
2. Fill in any leftover boxes that are blank with any letters you choose to camouflage your vocabulary words.
3. Flip this page over so that the answers aren't visible and let your family read the definitions below the word search. After they have guessed the word, they must go through your word search to find it.

AUDUBON—Man who studied birds across America

TAXONOMY—The classification of animals

VERTEBRATES—Animals with a backbone

INVERTEBRATES—Animals with no backbone

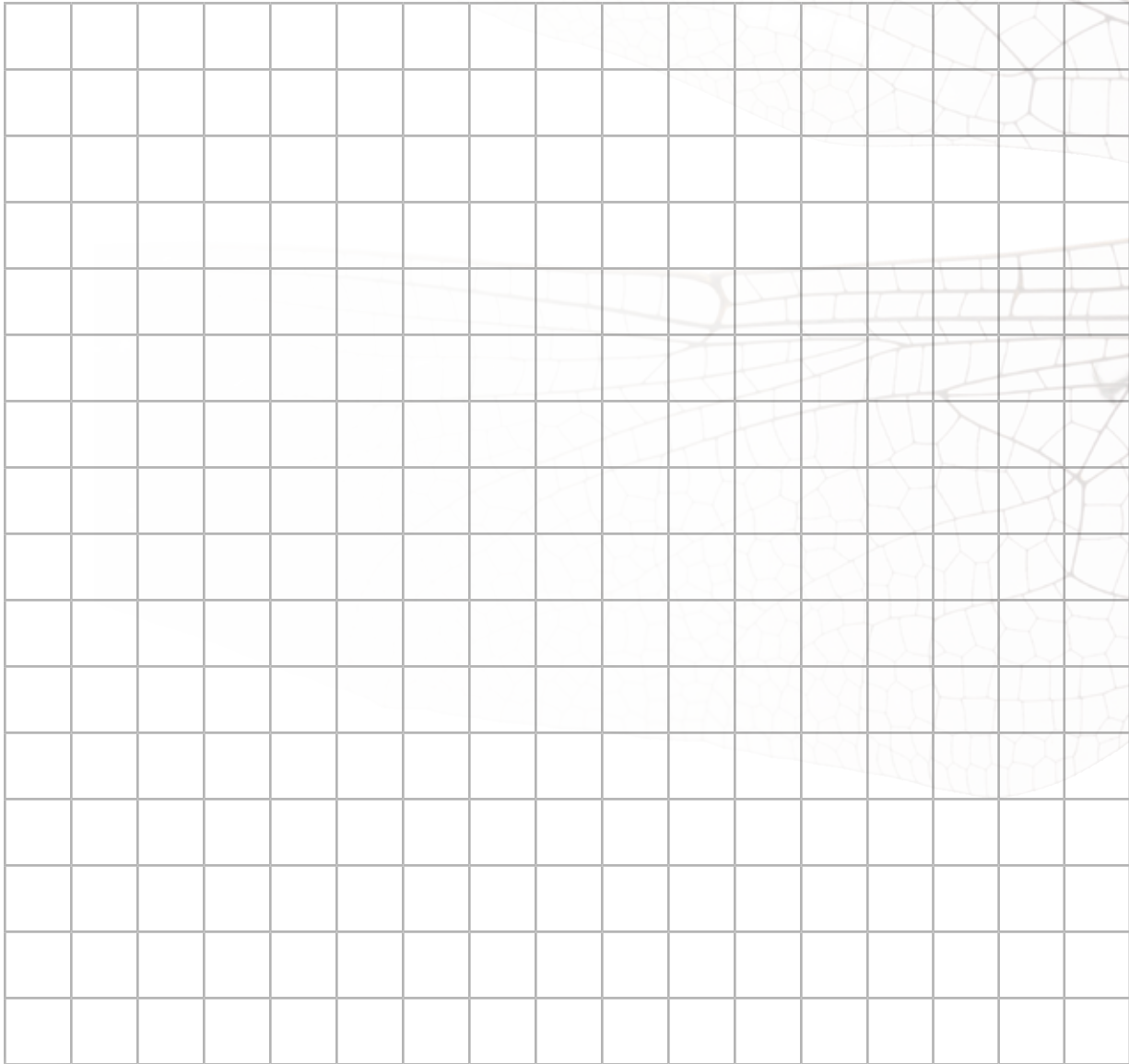
AIRFOIL—The shape of a wing that produces lift

EQUATOR—An imaginary circle around our planet that divides Earth into the Northern Hemisphere and Southern Hemisphere

CAMOUFLAGE—When an animal blends into his surroundings

Vocabulary

WORD SEARCH QUIZ



CLUES

When an animal blends into his surroundings

An imaginary circle around our planet that divides Earth into the Northern Hemisphere and Southern Hemisphere

The shape of a wing that produces lift

Animals with no backbone

Animals with a backbone

The classification of animals

Man who studied birds across America

Activity 1.11

MOBILE MENAGERIE

Attach a picture of the pterosaur you made below.





WHAT DO YOU REMEMBER?

On what day of creation did God create flying creatures?

What is the order of the groups used in taxonomy? Which of these 2 groups give an animal its scientific name?

What is air pressure?

What is an airfoil?

What does the word aerodynamic mean?

What is lift? What is drag?

How many habitats can you name?

What is camouflage?

What is instinct?

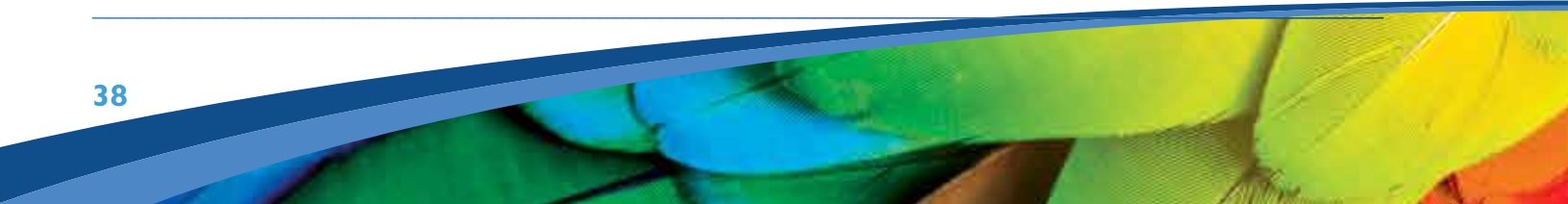
What is extinction?

What is one reason the dinosaurs may have become extinct?

Name a bird that became extinct.

What does it mean when we say an animal is endangered? Name a flying creature that was endangered but is not anymore.

What is an extinction error?



animal classification MINIBOOK



INSTRUCTIONS:

1. Cut out each circle with a classification label on it.
2. In the center of each circle, write down what each classification label means.
3. You may need to check the book to remind yourself.
4. Stack the circles according to size with Kingdom at the bottom. Line them up so that you can see the classification label. They should all meet where the words "staple here" are on the top of each label.
5. Cut out the large Classification circle.
6. Lay it over the others and staple the circles at the top edge where they meet. Now you can lift the flap to teach others what each classification label means.
7. Glue your minibook into your notebooking journal.



















animal classification **MINIBOOK**

Attach your animal classification minibook below.



CREATIVITY PAGE

Make a scrapbook page of your journey learning about why zoology matters.

