

FLORIDA GULF COAST UNIVERSITY

WINGS OF HOPE

Environmental Education Program

www.fgcu.edu/cas/wingsofhope



Mrs. Ricky Pires, Program Director

Mrs. Ann Godsea, Program Coordinator & Education Director



I Spy Nature at My Home Habitat!

Fun & Educational Activities for Students & their Families

Goal is to engage elementary students and families by observing the natural world every day amid challenging times in the United States and across the globe.

Directions: Print the activity pages or simply record responses on notebook paper. To virtually connect with family members, like your grandparents, share the *Wings of Hope* webpage, www.fgcu.edu/cas/wingsofhope, and have them do these activities as well and let you know what they observe around their home habitat through a phone call, e-mail or FaceTime video.

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I Spy Organisms at My Home Habitat!



Directions: Observe by viewing the **habitats** at your home. With a family member, check off and record tally marks to count the number of each **organism** you “I Spy.”

Producers

1. **Flowering seed-bearing plants**

Tally marks: _____



4. Lists some animals that use these plants for food and/or shelter.

2. **Spore-bearing plants**

Tally marks: _____



3. **Conifer seed-bearing plants**

Tally marks: _____



Consumers

Classify the animal as a **vertebrate** (V) or **invertebrate** (I)

5. **Mammals** (V/I)

Tally marks: _____



8. **Reptiles** (V/I)

Tally marks: _____



6. **Birds** (V/I)

Tally marks: _____



9. **Amphibians** (V/I)

Tally marks: _____



7. **Arthropods** (V/I)

Tally marks: _____



10. **Fish** (V/I)

Tally marks: _____



Herbivores, Omnivores and Carnivores

Research and identify some animals you observed. Classify the diet of those animals.

Animal Species	Herbivore / Omnivore / Carnivore

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I Spy Food Chains & Food Webs at My Home Habitat!



Directions: Observe by viewing the **habitats** at your home. With a family member, draw a **food chain** or **food web** based on the **producers** and **consumers** you “I Spy.” Draw the **Sun** and the **energy flow** from one **organism** to another.

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I Spy Nature at My Home Habitat!



Directions: Observe through your senses the habitat at your home. With a family member challenge yourselves to complete all 20 “I Spy” activities.

1. I spy something that is a sign of wildlife at my home habitat.
2. I spy something beautiful at my home habitat.
3. I spy something in nature with a smooth surface at my home habitat.
4. I spy something in nature with a rough surface at my home habitat.
5. I spy something growing on something at my home habitat.
6. I spy something a **mammal** would eat at my home habitat.
7. I spy something a **bird** would eat at my home habitat.
8. I spy some place where wildlife would hide at my home habitat.
9. I spy some place where mosquito eggs can hatch at my home habitat.
10. I spy something in nature that smells good at my home habitat.
11. I spy something that lives in a tree at my home habitat.
12. I spy something that can be reused at my home habitat.
13. I spy something in nature that makes me and my family smile at my home habitat.
14. I spy something in nature that I want to save for the future at my home habitat.
15. I spy the colors of the wind at my home habitat.
16. I spy 5 shadows that are at my home habitat.
17. I spy things in nature that make up the colors of the rainbow at my home habitat.
18. Take a group picture with your family as you “I Spy Nature at My Home Habitat” and share it with your other family members, friends and teachers.
19. Stop and listen for 1 minute in the morning, at noon and in the evening. Write down the natural sounds did you hear at your home habitat? Why did you hear those natural sounds during that time of day?
20. Count and keep a log each day of how many **mammals, reptiles, birds, arthropods, fish** and **amphibians** you observe. Have a contest with family member to see who can list the most animals.

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Backyard Bingo



Directions: Observe the **organisms** that live in the **habitats** at you home. With a family member play *Backyard Bingo* by crossing off each item you see. After you earn a *Bingo*, shout “save wildlife!” Then try to find and cross off the remaining items.

Bird	Species larger than you	Pine tree	Omnivore	Vertebrate
Reptile	Food source for a mammal	Producer	Species that can fly	Water source for an animal
Mammal	Hiding place for an animal	 FREE SPACE	Carnivore	Invertebrate
Arthropod	Species that can jump	Consumer	Food source for a reptile	Species that can climb
Amphibian	Food source for a bird	Flowering Plant	Herbivore	Species smaller than you

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Make My Own Backyard Bingo



Directions: Make a list of **organisms** that live in **habitats** at your home. Print and create your own *Backyard Bingo* cards for you and your family members to play.

				
		FREE SPACE		

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Wildlife Word Search



Directions: Circle each word as you find them. Words in the word search are spelled across from left to right, down, and diagonal from left to right.

a e b o r g a n i s m c d e s f g s u n
h i x j k l m n c o p e q r e s t u v w
x y z o p h o t o s y n t h e s i s a b
r c d e t f g h n i j e k l d m n q r t
u e v w h i x y i z a r b c s d v e f g
h i p j a k c l f m n g o p q r e s o t
u v a t b w x y e z a y p b s c r d m e
f g r h i j k l r m f n r o p q t r n s
t u t v t l c a r n i v o r e w e x i y
z a h b a c e d e f s g d h c i b j v v
k l r n t o p q r s h t c u i v r w o e
x y o z a b c d e f g h e i e j a k r r
a m p h i b i a n w m n r x s y t y e t
l m o n o p q r s t u a v s w x e z a e
a b d c d e f h d f i t m j p k l m n b
c h l o r o p h y l l i z m b o d e g r
o p q r s t u v w o x v y a a c r f h a
c o n s u m e r y w z e b d f l g e i t
i k m o q s u v x e a h e r b i v o r e
j l n p r t v w y r z b d f h j l n p r

amphibian

carnivore

herbivore

photosynthesis

sun

arthropod

energy

invertebrate

producer

vertebrate

bird

exotic

mammal

reptile

chlorophyll

fish

native

seeds

conifer

flower

omnivore

species

consumer

habitat

organism

spore

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Nature's Crossword Puzzle



Directions: Write the correct term for each definition in the crossword. Refer to the glossary if you need help.

	2.	4.	6.	10.
1.				
3.				
7.				
9.				

ACROSS

1. an organism that feeds on plants and animals
3. the star that is the center body of our solar system, which Earth and other planets revolve around
5. warm-blooded vertebrates that have feathers, wings, a beak with no teeth, and lay eggs
7. an animal without a backbone
9. an organism, like plants, that make their own food through the process of photosynthesis

DOWN

2. a life form like consumers (animals) and producers (plants)
4. cold-blooded vertebrates that have scales like turtles, snakes and lizards
6. warm-blooded vertebrates that have body hair/fur, feed their young milk, and give live birth, like humans, dogs, cats and rabbits
8. an animal with a backbone
10. the natural environment of an organism

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Glossary

A

Amphibian cold-blooded vertebrates like frogs, toads and salamanders

Arthropod invertebrates that have segmented bodies and joined limbs like insects and spiders

B

Bird warm-blooded vertebrates that have feathers, wings, a beak with no teeth, and lay eggs

C

Chlorophyll is the green coloring in plants' leaves and essential to the process of photosynthesis in how plants make their own food

Conifer seed-bearing plants a plant that produces seeds in cones, like pine trees

Consumer an organism that feeds on plants and animals

Carnivore an animal that only eats meat (other animals), like a Florida panther, hawk and snake

E

Energy flow is the flow of energy through a food chain, like Sun → grass → rabbit → hawk

Exotic an organism that is not native or originated from a foreign region and/or country

F

Fish cold-blooded, aquatic vertebrates that have gills, fins and scales

Flowering seed-bearing plants a plant that produces flowers, fruit and seeds, like grasses, berry bushes and oak trees

Food chain the series by which organisms depend on the next natural food source within a habitat

Food web an interconnection of food chains within a habitat

H

Habitat the natural environment of an organism

Herbivore an animal that only eats plants, like White-tailed deer and Zebra long-winged butterfly

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I

Invertebrate an animal without a backbone

M

Mammal warm-blooded vertebrates that have body hair/fur, feed their young milk, and give live birth, like humans, dogs, cats and rabbits

N

Native an organism that naturally originated from that region and/or country

O

Omnivore an animal that eats both plants and meat (other animals), like humans, Florida black bear, and raccoons

Organism a life form like consumers (animals) and producers (plants)

P

Photosynthesis is a complex process by which green plants make their own food using the chlorophyll in their leaves and energy from the Sun

Producer an organism, like plants, that make their own food through the process of photosynthesis

R

Reptile cold-blooded vertebrates that have scales like turtles, snakes and lizards

S

Species organisms that have common characteristics, like all cats have retractable claws.

Spore-bearing plants a plant that reproduces by making spores, like ferns and mosses

Sun the star that is the center body of our solar system, which Earth and other planets revolve around

V

Vertebrate an animal with a backbone

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WOW! EXCELLENT "I SPY" WORK!!

Dear Students and Families,

We hope you enjoyed working together and connecting with the natural world by observing the habitats at your home. Please visit the *Wings of Hope* webpage in the coming weeks, because we will be uploading more environmental education activities.

Have a happy day!

Sincerely,

Mrs. Ricky Pires, Program Director

Mrs. Ann Godsea, Program Coordinator & Education Director

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Answer Keys

Wildlife Word Search, page 7

a e b o r g a n i s m c d e s f g s u n
 h i x j k l m n c o p e q r e s t u v w
 x y z o p h o t o s y n t h e s i s a b
 r c d e t f g h n i j e k l d m n q r t
 u e v w h i x y i z a r b c s d v e f g
 h i p j a k c l f m n g o p q r e s o t
 u v a t b w x y e z a y p b s c r d m e
 f g r h i j k l r m f n r o p q t r n s
 t u t v t l c a r n i v o r e w e x i y
 z a h b a c e d e f s g d h c i b j v v
 k l r n t o p q r s h t c u i v r w o e
 x y o z a b c d e f g h e i e j a k r r
 a m p h i b i a n w m n r x s y t y e t
 l m o n o p q r s t u a v s w x e z a e
 a b d c d e f h d f i t m j p k l m n b
 c h l o r o p h y l i z m b o d e g r
 o p q r s t u v w o x v y a a c r f h a
 c o n s u m e r y w z e b d f l g e i t
 i k m o q s u v x e a h e r b i v o r e
 j l n p r t v w y r z b d f h j l n p r

Nature's Crossword Puzzle, page 8

2. 4. 6. 10.
 1. O M N I V O R E M 8. H
 R G A N I A V A
 I M E B
 M R I
 A T T
 L E A
 3. S U N E B R A T
 M T
 5. B I R D
 7. I N V E R T E B R A T E
 9. P R O D U C E R