

Johnny Morris's
WONDERS OF WILDLIFE
— NATIONAL —
MUSEUM & AQUARIUM

Mangroves

Ecosystem Exploration
Activity Workbook
Kindergarten – 1st Grade

Vocabulary

Adaptation: A characteristic or trait that allows an organism to be better suited for survival and reproduction within a given habitat.

Biodiversity: When many different types of animal and plant species live in a particular ecosystem or habitat.

Biome: Area on earth that have similar climates, plants, and animals. Biomes are defined by their average precipitation rates and temperature.

Climate: The regular prevailing weather and temperature conditions of an area over a long period of time.

Climate Change: Refers to the rapid increase in global temperatures. It is the result of an increase of carbon dioxide and other greenhouse gases in the atmosphere from the burning of fossil fuels.

Ecosystem: A community of living organisms in conjunction with the nonliving components of their environment, interacting as a system.

Endangered Species: A species of animal or plant that is in danger of going extinct.

Erosion: The process of wind, water, or other natural forces breaking down something over a period of time.

Food Web: The mapping of the flow of energy through an ecosystem: who eats what, and who gets energy from whom.

Habitat: The natural home of a living thing.

Marine Animals: Any of numerous animals inhabiting the planets oceans and seas.

Organism: An individual living thing.

Survive: To continue to live or exist, especially in spite of danger or hardship.

Terrestrial Animals: Animals that live predominantly or entirely on land, as compared with aquatic animals, which live predominantly or entirely in the water.



Mangrove Word Search

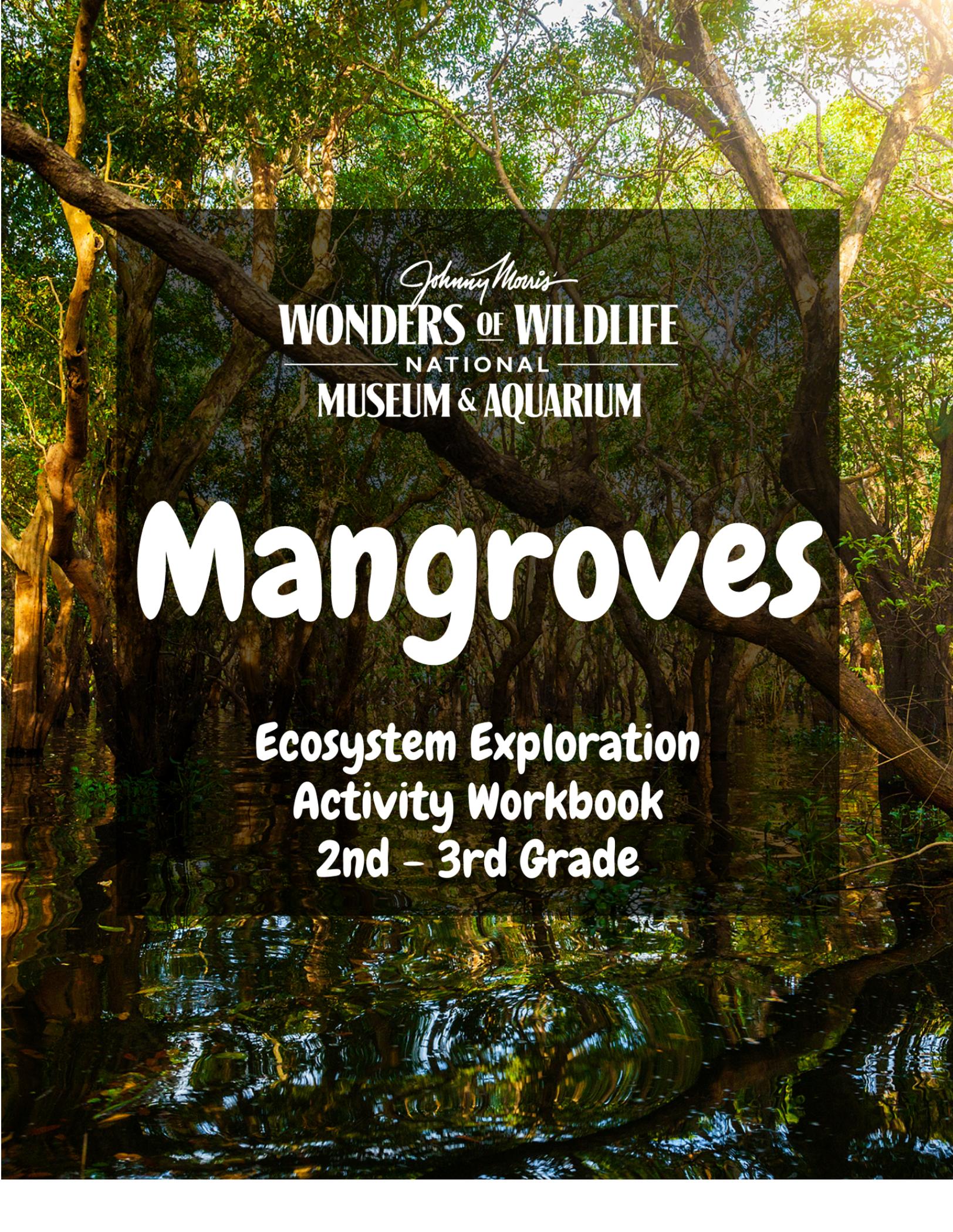
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S N U R S E R Y S W G H L S M P N P
C Z I N M T A Z K L B Z T V W K J I
O P R O P R O O T S J D P L E Q T F
N S A L T E X C R E T I O N R X W L
E P Y R E D L R W J Z K N K V W Z Z
R O W D V L S I X N J N C K O J R K
O E H V V R Q K F D U K B V B Y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

Find the following words in the puzzle.
Words are hidden → ↓ and ↘ .

BLACK
BLUE CARBON
CONE ROOTS
ESTUARY

NURSERY
PROPAGULES
PROP ROOTS
RED

ROOT AERATION
SALT EXCRETION
WHITE



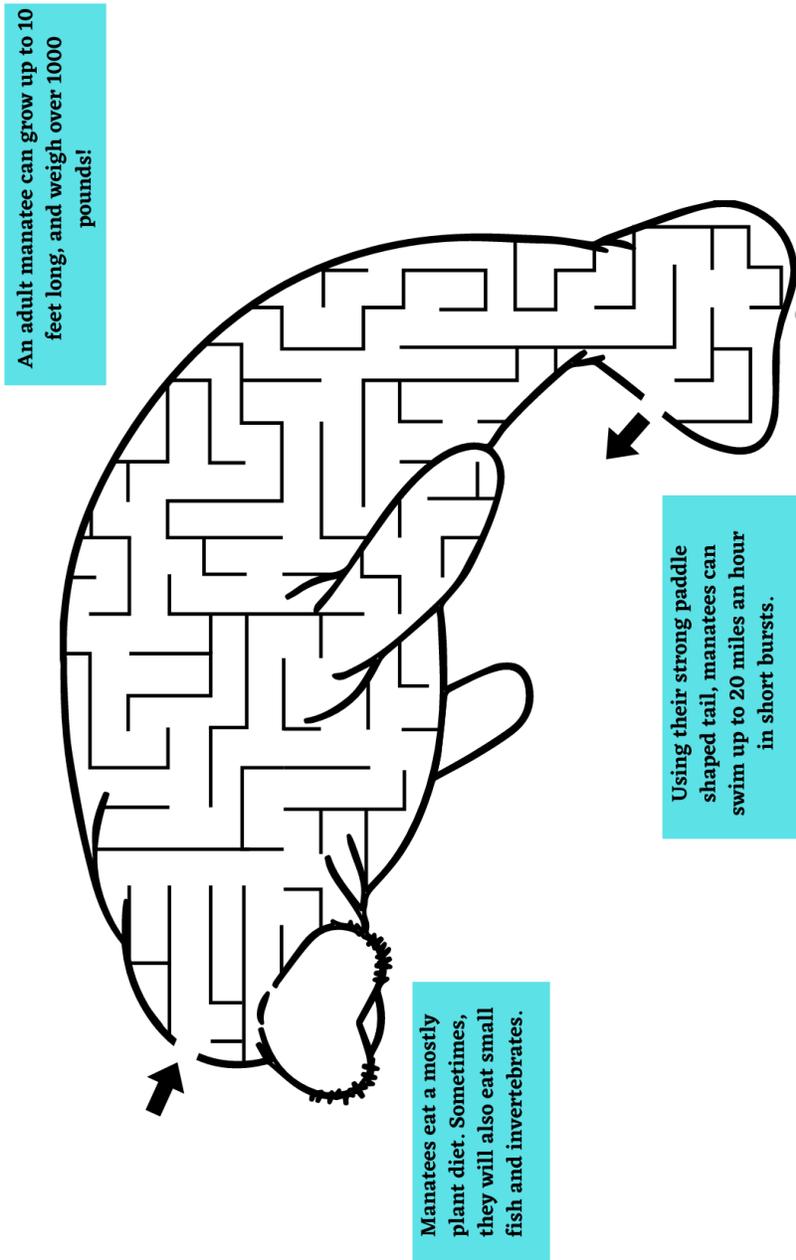
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Mangroves

**Ecosystem Exploration
Activity Workbook
2nd - 3rd Grade**

MANATEE MAZE

LEARN ABOUT THE MANATEE AS YOU MAKE YOUR WAY THROUGH THE MUSEUM.



An adult manatee can grow up to 10 feet long, and weigh over 1000 pounds!

Manatees eat a mostly plant diet. Sometimes, they will also eat small fish and invertebrates.

Using their strong paddle shaped tail, manatees can swim up to 20 miles an hour in short bursts.

Mangrove Word Search

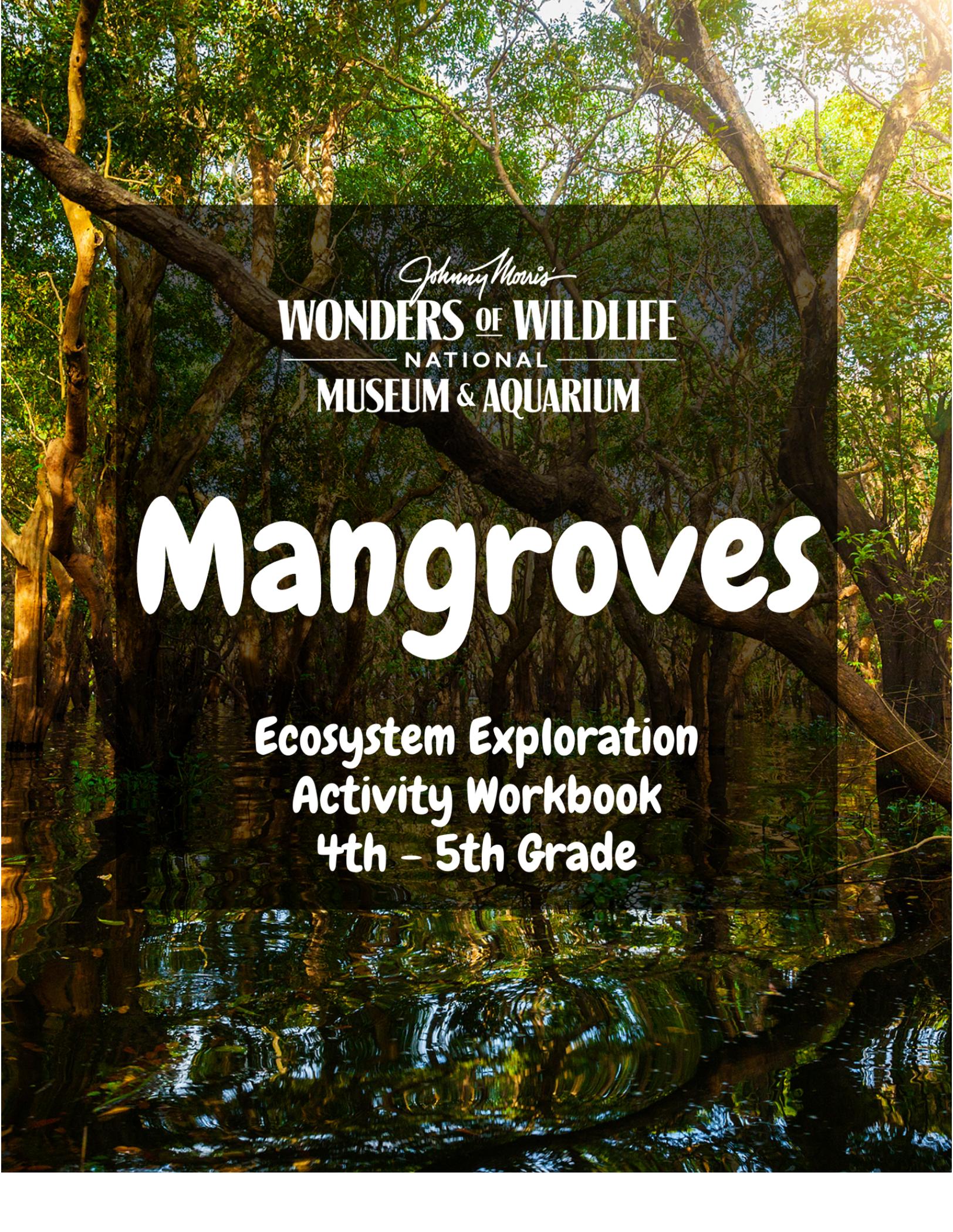
V F A C N P P R O P A G U L E S C O
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C Z I N M T A Z K L B Z T V W K J I
O P R O P R O O T S J D P L E Q T F
N S A L T E X C R E T I O N R X W L
E P Y R E D L R W J Z K N K V W Z Z
R O W D V L S I X N J N C K O J R K
O E H V V R Q K F D U K B V B Y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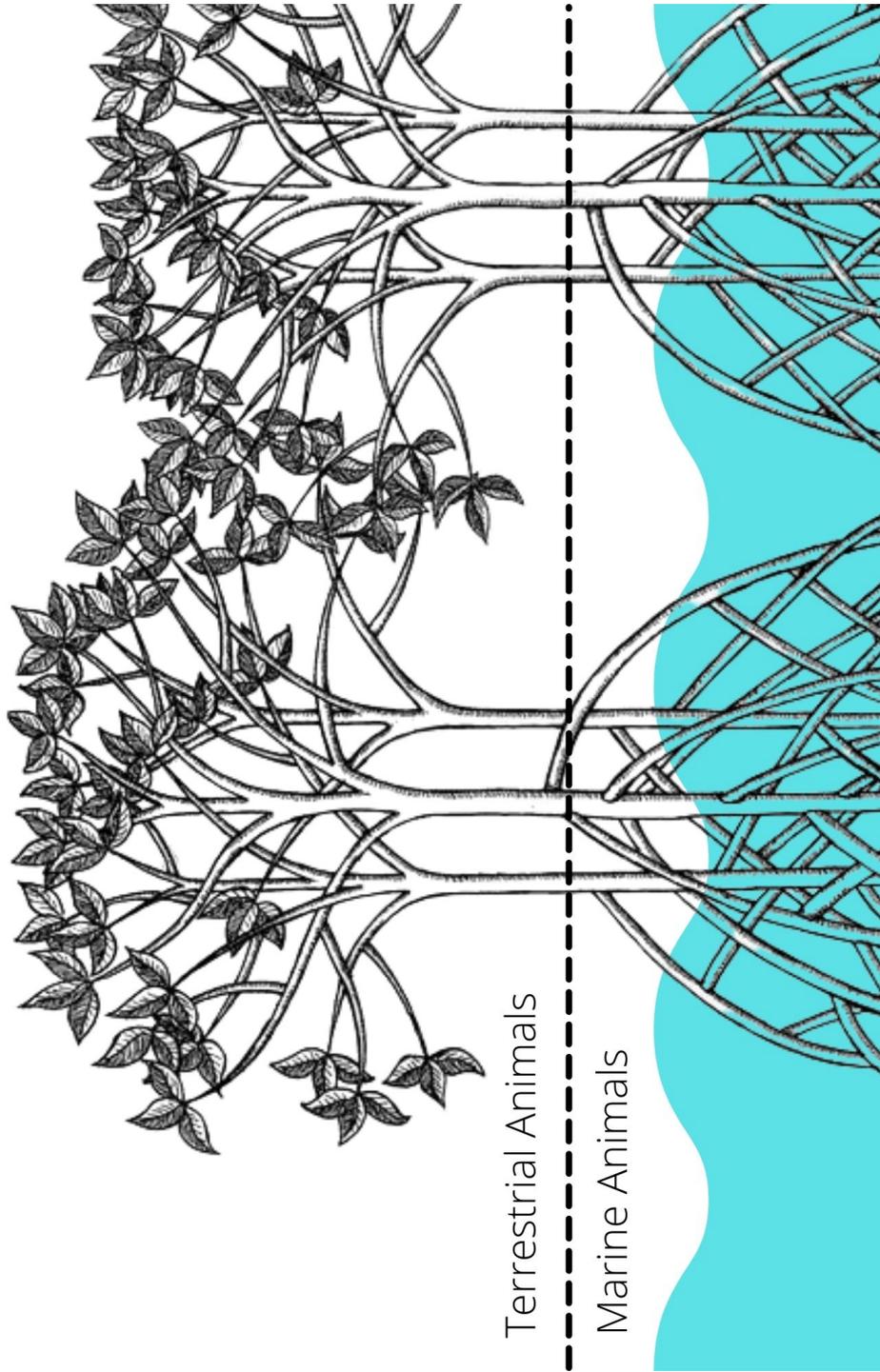
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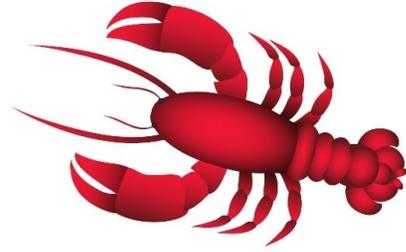
Mangroves

**Ecosystem Exploration
Activity Workbook
4th - 5th Grade**

In this activity, students will be sorting animals of the mangroves into either Marine Animals or Terrestrial Animals. Students will cut out and place the animals into the two categories. Students will then place the nametags alongside the corresponding animals.

WHERE IN THE MANGROVES?



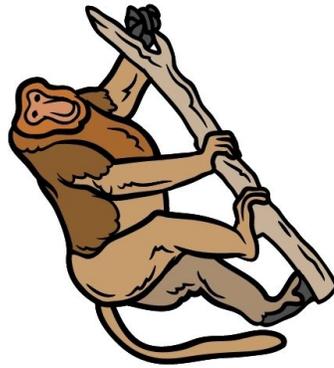
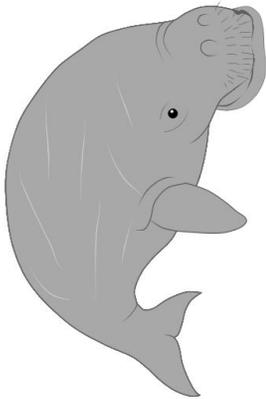


Proboscis
Monkey

Mud Lobster

Pygmy Three
Toed Sloth

Manatee



Mangrove Word Search

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