

## Lower Ocean Gallery Exhibit:

What is an artificial reef? List one reason they are beneficial:

What is a Marine Protected Area (MPA)? List one reason they are beneficial:

Lionfish are invaders. Even though they are beautiful, they should not be in the waters of South Carolina. Explain why they are invasive:

## Zucker Family Sea Turtle Recovery™

There are seven sea turtle species in the world. Four of those seven live off the coast of South Carolina. Match the sea turtle species to the correct fact.

Sea Turtle Species	Sea Turtle Fact
Green sea turtle	Most endangered sea turtle in the world
Kemp's ridley sea turtle	Most common nesting sea turtle in the world
Leatherback sea turtle	Only sea turtle that eats sea grass
Loggerhead sea turtle	Largest sea turtle in the world

List two ways humans can harm sea turtles:

- 1.
- 2.

List two things humans can do to protect sea turtles:

- 1.
- 2.

## Aquarium Wrap Up

Now that you have traveled throughout the state of South Carolina, list two things you can do to protect South Carolina habitats and the animals that live there.

# 9th–12th Grade Scavenger Hunt

## HIGH SCHOOL

Name: \_\_\_\_\_

## All Galleries

Match the following terms to the correct relationship and list the Aquarium exhibit in which the bolded animal is found.

- A Predation** – to eat another organism
- B Competition** – to fight for a resource
- C Parasitism** – when an organism lives on or in another organism at that organism's expense
- D Mutualism** – when two organisms live together and both benefit
- E Commensalism** – when one organism benefits from another organism and the other neither benefits nor suffers

Place correct letter here	Description of Relationship	Aquarium Exhibit
	Hermit crab anemones live on hermit crabs in order to find food and hitch a "ride." <b>Hermit crabs</b> don't mind at all because the anemone offers protection.	
	<b>Bald eagles</b> prey on brook trout in mountain streams.	
	Some <b>horseshoe crabs</b> have slipper shells living on them. It does not harm the horseshoe crab, but the slipper shells have a safe home on the hard shell of the horseshoe crab.	
	Male <b>bluegill sunfish</b> fight with fish in order to protect their gravel nest.	
	Tapeworms live inside a <b>sea turtle's</b> digestive system causing damage by stealing the turtle's nutrition.	
	<b>Porkfish</b> are cleaner fish. They eat old scales and debris off larger fish like gag grouper. Gag grouper don't mind this because it keeps them healthy.	
	A <b>gopher tortoise</b> can dig a 30-foot burrow for shelter. Many other animals can hide in these burrows during forest fires and the tortoise will share the space.	

## Mountain Forest

### Bald Eagle Exhibit:

In 1967, bald eagle populations declined because of DDT. What is DDT and how did it affect the eagles?

What is bioaccumulation?

Thinking Question: What can we learn from the DDT/eagle issue?

## Piedmont

### Reservoir Exhibit:

Name two pros of damming a river:

- 1.
- 2.

## Coastal Plain

### Brownwater Swamp and Blackwater Swamp Exhibits:

What makes a brownwater swamp brown?

What makes a blackwater swamp black?

### Swamp IQ Test:

List two reasons why swamps are vital ecosystems in South Carolina:

- 1.
- 2.

### Carolina Bay Exhibit:

Why are carnivorous plants found in Carolina bays?

## Saltmarsh Aviary

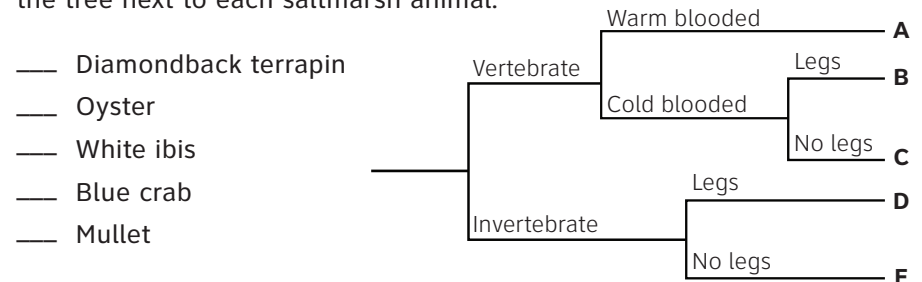
### Saltmarsh Aviary Exhibit:

Name two functions of a saltmarsh:

- 1.
- 2.

Thinking Question: What would happen to South Carolina's coast if our saltmarshes were destroyed?

A phylogenetic tree shows the relationships between biological species based on their similarities and differences. Place the correct letter from the tree next to each saltmarsh animal.



## Coast

### Boneyard Beach Exhibit:

What is a boneyard beach?

What are some factors that transform these beaches?

## Ocean

### Great Ocean Tank Exhibit:

The International Union for Conservation of Nature (IUCN) lists animals based on their conservation status. Use the touch screens at the Great Ocean Tank to find three animals for each of these conservation statuses:

**Near Threatened (NT):**

- 1.
- 2.
- 3.

**Vulnerable (VU):**

- 1.
- 2.
- 3.

Thinking Question: How is this information helpful to humans?