

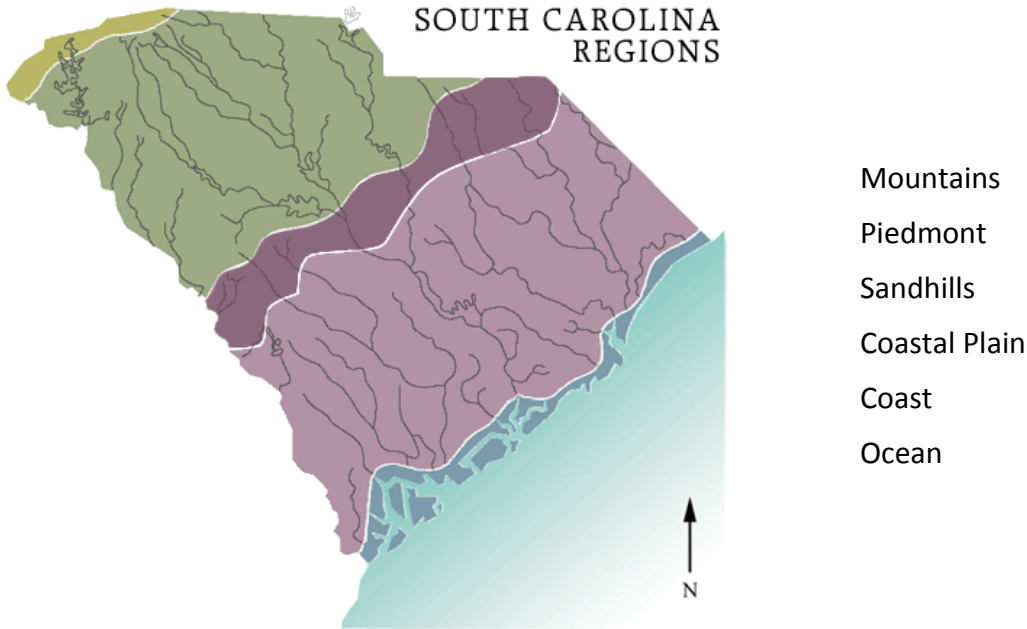
South Carolina Aquarium

6th – 8th Grade Scavenger Hunt

Name _____

The South Carolina Aquarium is designed to show you the habitats of South Carolina from the Mountains to the Sea. Enjoy your journey through our state!

The Great Hall



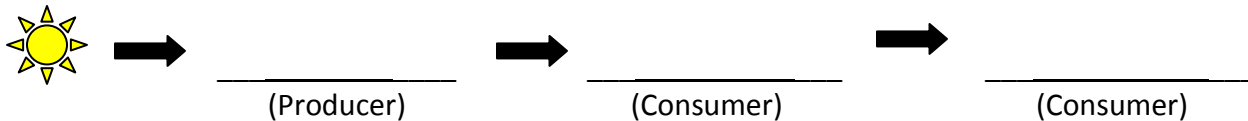
- Mountains
- Piedmont
- Sandhills
- Coastal Plain
- Coast
- Ocean

Draw a line from the name of each South Carolina region to the region's location on the map above. What is the name of the ocean that borders South Carolina?

The Mountains

Mountain Forest exhibit:

Create a mountain food chain using the animals you see in the Mountain Forest exhibit.



Circle the word in each pair that best describes a mountain stream.

Fast-moving **or** Slow-moving

Hot **or** Cold

Oxygen-rich **or** Oxygen-poor

How do the stream characteristics that you circled influence what animals can be found in the mountains?

Piedmont

The clay soil found in the Piedmont region is almost impermeable to water (meaning that water does not readily pass through the clay). How does this effect run-off in the region?

Why are Piedmont rivers often red?

Reservoir exhibit:

Name 1 pro and 1 con of damming a river.

Pro:

Con:

Shifting Shorelines map:

How does the rotating map help explain how marine fossils can be found in the Coastal Plain while terrestrial fossils can be found 20 miles off the coast?

Coastal Plain

Brownwater Swamp and Blackwater Swamp exhibits:

What makes a Brownwater Swamp brown?	What makes a Blackwater Swamp black?

List 2 reasons why swamps are vital ecosystems in South Carolina.

1.

2.

Carolina Bay exhibit:

Describe a Carolina Bay habitat.

Why are carnivorous plants found in Carolina Bays and no other habitat in South Carolina?

Saltmarsh

Where does a saltmarsh habitat get its nutrients (circle your answer)? Land Sea Land and sea

Name 2 functions of a saltmarsh.

1.

2.

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

Use the given terms and match them to each description (each letter may be used more than once).

- | | | | |
|---|--|-----|---|
| A | Population – a group of organisms that can breed with one another (all the same species in an area) | ___ | All the pinfish |
| B | Community – all the organisms that inhabit a particular area | ___ | Spartina grass is a producer |
| C | Ecosystem – all the living and non-living things in a particular area | ___ | All the plants and animals in the saltmarsh, plus the pluff mud and water |
| D | Niche – the role an organism plays in an ecosystem | ___ | Great blue heron is a consumer |
| E | Not found in a saltmarsh | ___ | All of the blue crabs |
| | | ___ | All of the longnose gar |
| | | ___ | All the plants and animals in the saltmarsh |
| | | ___ | Diamondback terrapin is an omnivore |
| | | ___ | Brook trout is a consumer |

Coast

Surf Zone exhibit:

What is the surf zone?

What special adaptation do animals need in order to live in the surf zone?

Sea Turtle exhibit:

Loggerhead sea turtles are South Carolina's state reptile. What are 2 characteristics of a reptile?

The sex of a sea turtle (whether it's male or female) is determined by the temperature of the nest (> 86° F means more females, < 82° F means more males). Because of this, how can climate change affect sea turtles?

Ocean

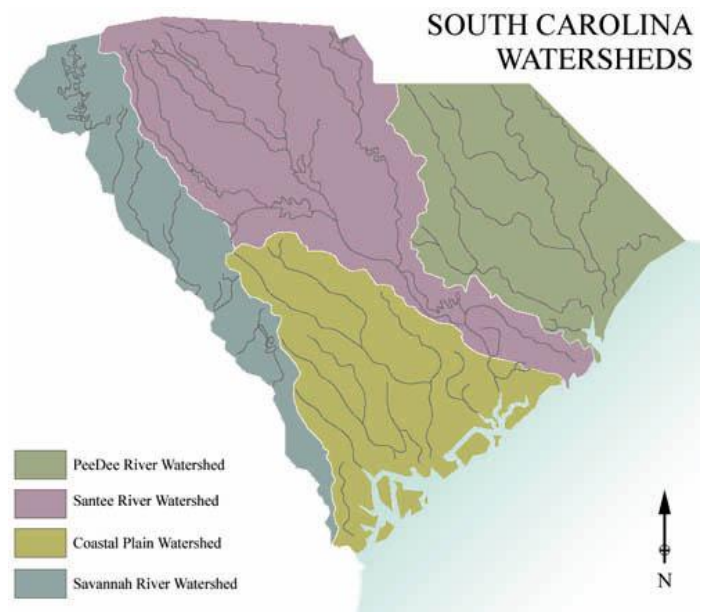
Look at the map of the 4 major watersheds in South Carolina.

What is a watershed?

Name 2 things people do in the upstate that can harm the ocean ecosystem.

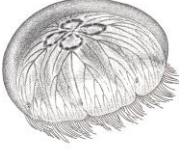
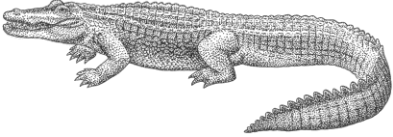

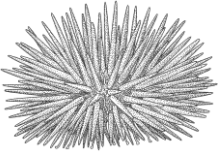
- 1.
- 2.

Why can people that live in the Mountains, Piedmont and Coastal Plain regions of South Carolina affect the Ocean ecosystem?



All Galleries

Name the phylum and the Aquarium exhibit in which the animal can be found beside each picture below.

	Phylum	Aquarium exhibit
 Moon jelly		
 American Alligator		
 Blue Crab		
 Sea Urchin		

Phylum Chordata – animals with a backbone

Phylum Porifera – have pores, filter feeders

Phylum Cnidaria – tentacles, stinging cells

Phylum Mollusca – soft muscular foot, hard shell

Phylum Echinodermata – spiny or bumpy skin, water vascular system

Phylum Arthropoda – jointed appendages, eyes, exoskeleton

Wrap-up

Now that you have travelled through the state of South Carolina, list 3 things you can do to protect South Carolina habitats and the animals that live there.

- 1.
- 2.
- 3.