Habitat

Modifying and Adapting

Where do we live?

How is the weather?

Do we have different seasons?

How does the weather affect how we live?

How do we dress and eat at different times of the year?

Guiding Questions to answer

1. Can students describe the components of an ecosystem?
2. Can students describe how plants and animals depend on each other in an ecosystem?
3. Can students describe how habitats are different from each other?
4. Can students explain how endangered animals can make a comeback?
5. Can students explain how an animal's adaptations enable it to survive in a specific habitat?

What is a habitat?

A habitat is a natural environment where animals live.

Write down a list of animals that live in our area.

Why do you think these animals live here?

Animals in the Area

These animals live here because:
 the weather,
their food supply is great,
and the seasons.

Food chain

Series of steps by which energy (food) is obtained, used, and transformed by living things.

EXAMPLE:

sunlight helps grow grass ⟶ cows eat grass

humans eat cows ↵

What is an ecosystem?

An ecosystem is a complex set of relationships among the living resources, habitats, and residents of the area.

Ecosystems include:

1. plants-trees,flowers,grass
2. animals-people,fish,birds
3. water
4. soil
5. sunlight

Why are
ecosystems
important in
Louisiana?

Bayou Lafourche
and the Gulf of
Mexico
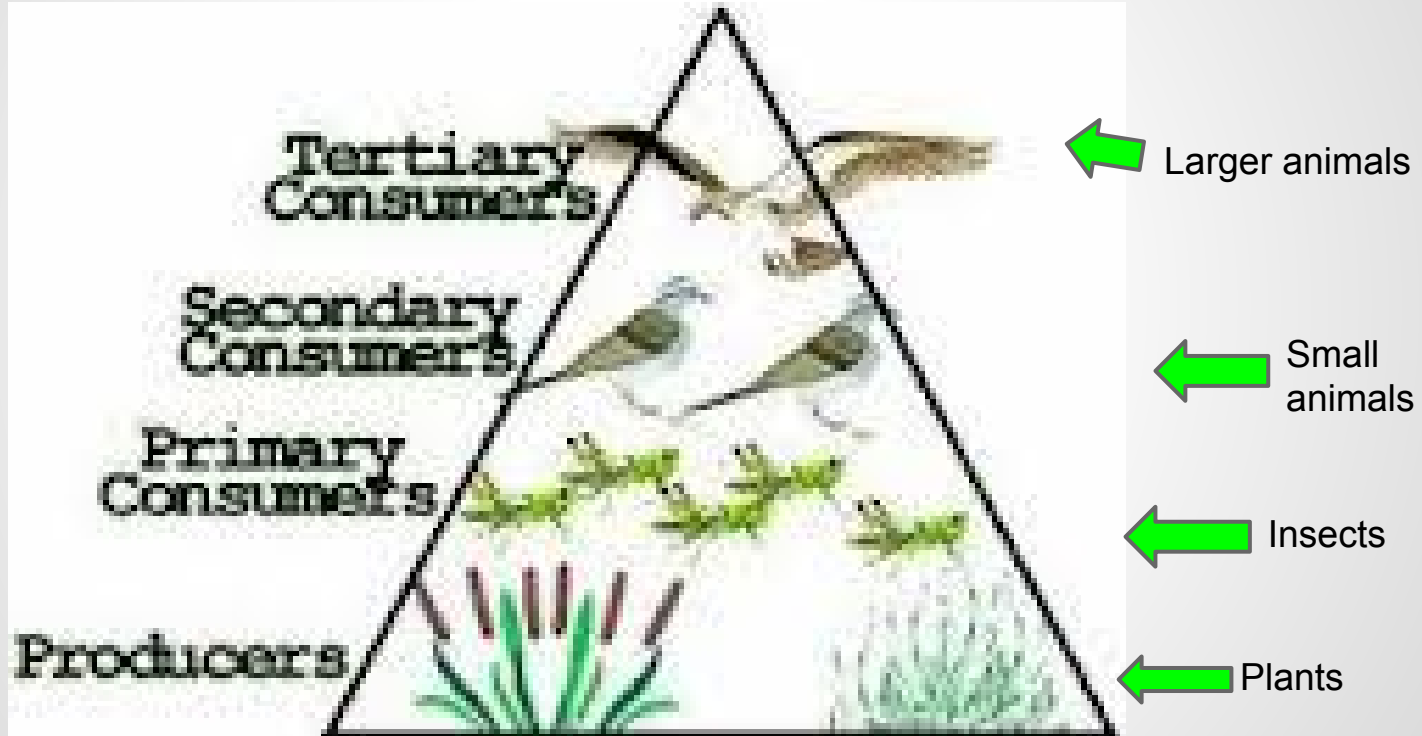
Where is the
fresh water?

Where is the salt
water?

Fresh Water (little to no salt in the water)

Example: Bayou Lafourche

1. Lakes
2. Ponds
3. Rivers
4. Streams
5. Springs
6. Some wetlands

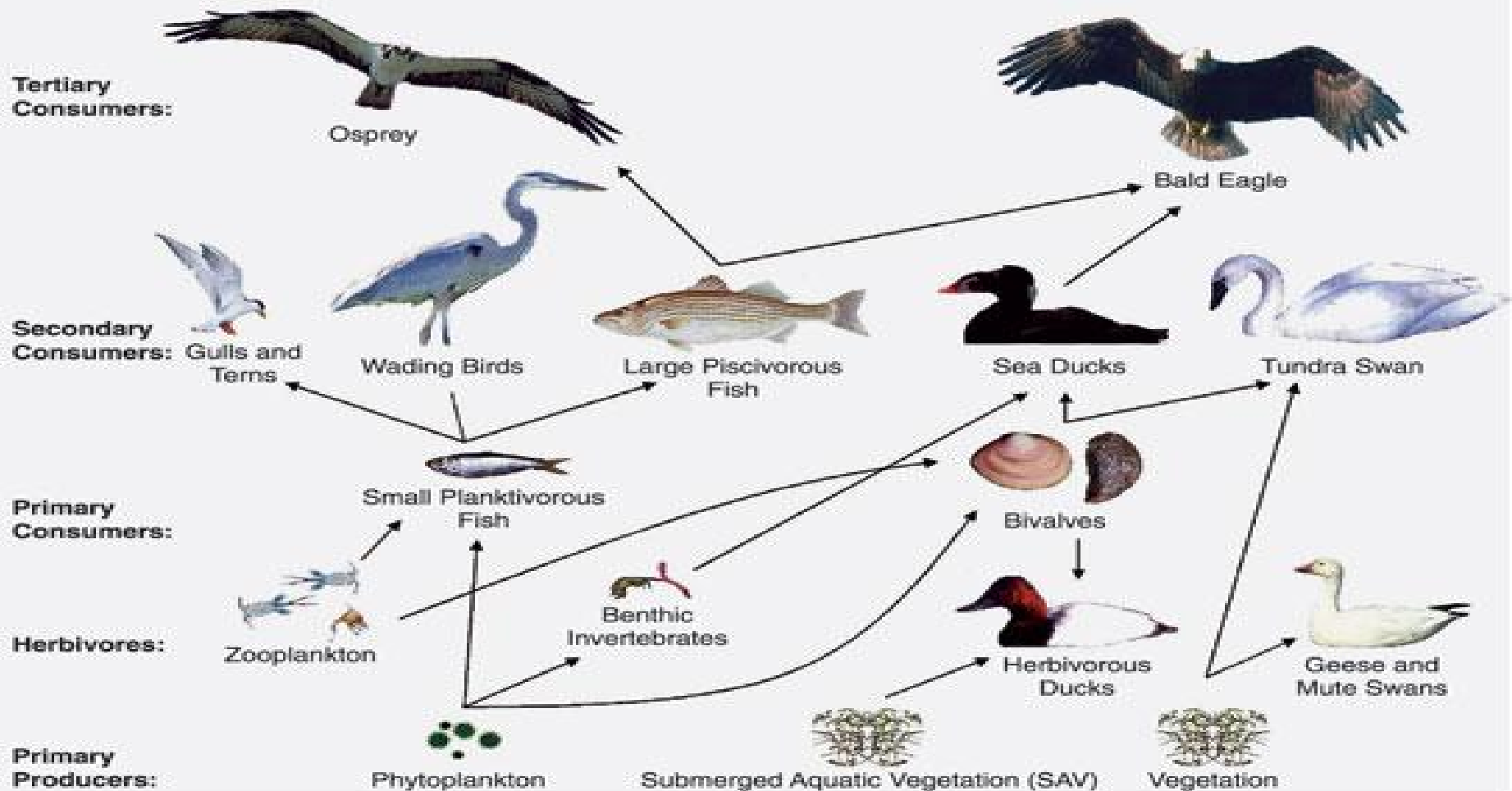# How do freshwater organisms depend on one another?

Salt Water

Example: The Gulf of Mexico

Chesapeake Bay Waterbird Food Web

Tertiary Consumers: Osprey — Bald Eagle

Secondary Consumers: Gulls and Terns — Wading Birds — Large Piscivorous Fish — Sea Ducks — Tundra Swan

Primary Consumers: Small Planktivorous Fish — Bivalves

Herbivores: Zooplankton — Benthic Invertebrates — Herbivorous Ducks — Geese and Mute Swans

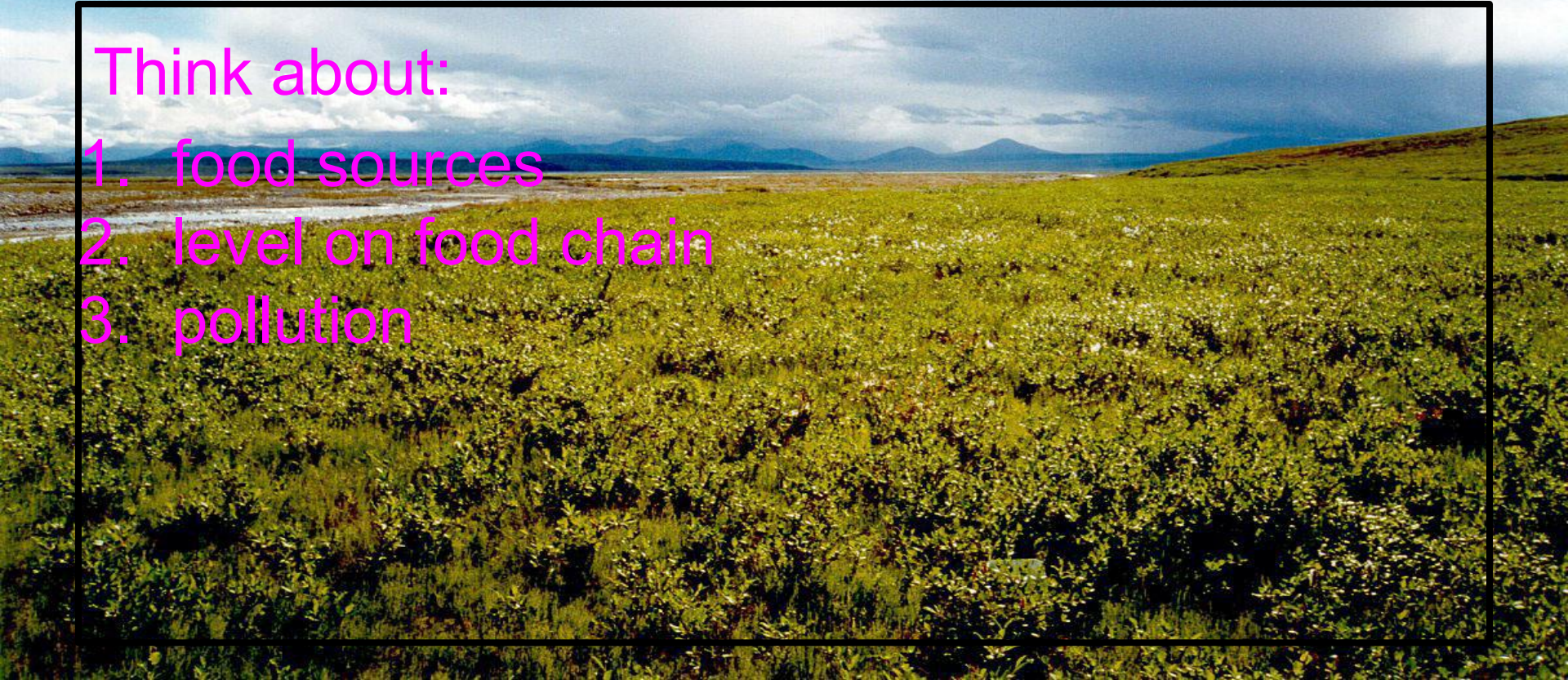**Primary Producers:** Phytoplankton — Submerged Aquatic Vegetation (SAV) — Vegetation

Endangered Animals

Animals whose existence is threatened.
(almost extinct)

How can endangered animals make a comeback to their ecosystem?

Think about:
1. food sources
2. level on food chain
3. pollution

Animals Adapt in Order to Survive

1. living together in communities
2. navigation
   -flight -swimming -walking -climbing -hopping
3. migration
4. camoflauge
5. hibernation
6. hair

A house is your _____.
A City is your _____.