SAMOS SALTWORKS WETLAND

DESCRIBE WHAT YOU SEE AROUND YOU.

DRAW OR ADD A PANORAMIC PHOTO OF THE AREA.

SOIL

What is the terrain of the wetland like?

1. **Take a soil sample from some point in the wetland and write a short description.**

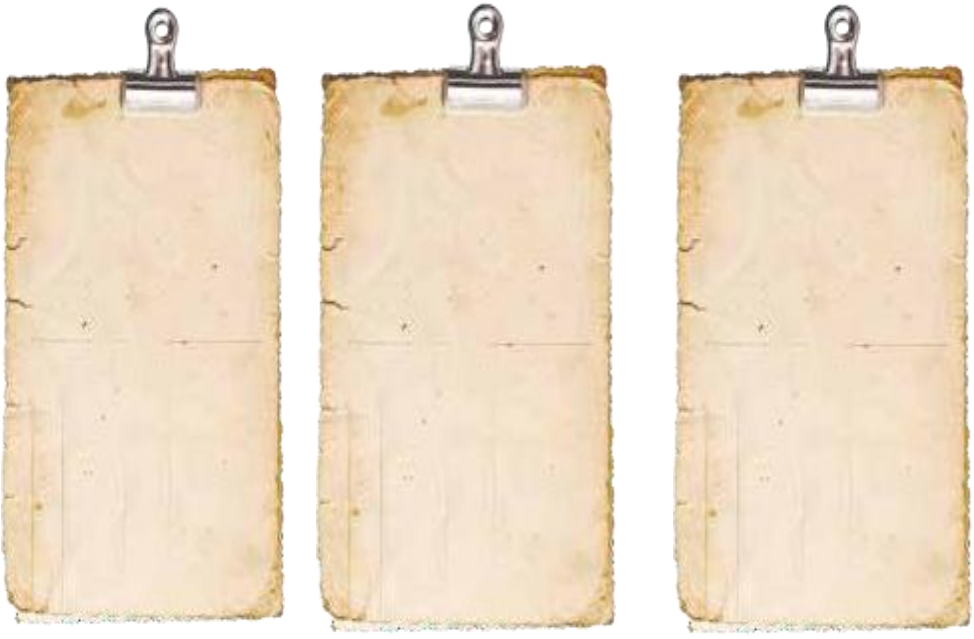
2. **Compare your observations with those of the other groups.**

WATER

3. **Take a water sample and write a short description.**

4. **Measure the pH and the salinity of the water.**

5. **Compare your measurements with those of the other groups.**



PLANTS

DRAW ONE OF THE PLANTS YOU SAW IN THE AREA.

Use the SEEK app to identify it.

Name: _____

Scientific name: _____

Color: _____

Size: _____

Shape: _____

Where in the wetland did you see it: _____

What else do you know about it: _____

_____

_____

_____

ANIMALS

DRAW ONE OF THE ANIMALS YOU SAW IN THE AREA.

DRAW CAREFULLY

Name: _____

Scientific name: _____

Color: _____

Size: _____

Shape: _____

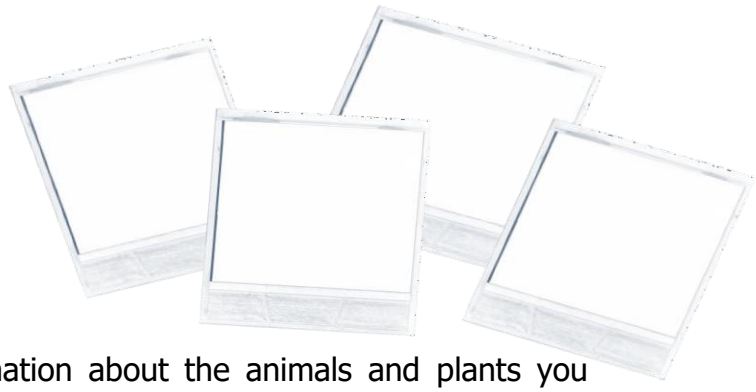
Where in the wetland did you see it: _____

What else do you know about it: _____

FLORA, FAUNA, AND ABIOTIC FACTORS OF THE SALTWORKS

AT THE SALTWORKS…

1. Use the SEEK app and take photos of the wetland's plants and animals.



AT SCHOOL…

2. Print the photos. Collect information about the animals and plants you saw.
   Work in groups and prepare a poster about the wetland.

3. Find information about what salinity and acidification mean and how they affect the stability and biodiversity of aquatic ecosystems.

IN THE LAB…

4. **ACIDIFICATION AND AQUATIC ECOSYSTEMS**

   A) PRODUCING CARBON DIOXIDE IN THE LAB

   $NaHCO_3 + CH_3COOH \rightarrow CH_3COONa + H_2O + CO_2 \uparrow$

   B) RECORDING CHANGES IN THE pH OF SEAWATER AND FRESHWATER BY BUBBLING CARBON DIOXIDE THROUGH THEM (measurement with a pH meter and/or an indicator)

   C) EFFECTS OF ACIDIFICATION ON SHELLS / SHELLFISH