

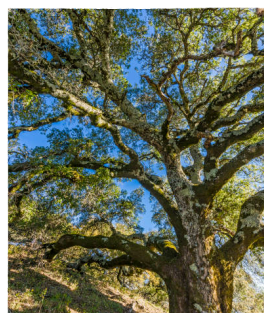
# Exploring the Flora and Fauna of the Guadalupe



- ☐ **First Stop:**  
Guadalupe River Park Conservancy Visitor & Education Center
- ☐ **Second Stop:**  
Explore Guadalupe River Park trails!
- ☐ **Third Stop:**  
Heritage Rose Garden & Historic Orchard
- ☐ **Final Stop:**  
Rotary PlayGarden

## Scavenger Hunt:

**Coast Live Oak**



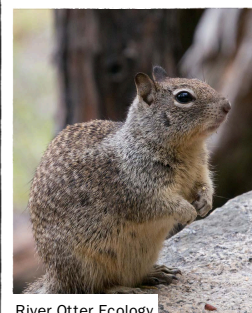
**California Scrub Jay**



Natural History Journal



**Ground Squirrel**



River Otter Ecology



Expedition Completed By: \_\_\_\_\_

Date: \_\_\_\_\_

This educational packet was developed by Christopher Sun as part of a Guadalupe River Park Conservancy intern project.



# Guadalupe River Park Conservancy Visitor & Education Center



## Scientific Definition:

An organism's **phenotype** consists of its observable traits.

## Example:

This fruit fly's phenotype includes red eye color, black body color, and long wings.



Source: Exploratorium

This fruit fly's phenotype includes red eye color, brown body color, and short wings.



Source: Exploratorium

Describe three traits that make up the phenotype of the:

### Black Crappie

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

### Pacific Gopher Snake

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

### Western Toad

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

### Think Critically:

For each animal above, which of the three traits you listed would be most useful for surviving in the wild? Why?

Write your response here...



## Guadalupe River Park Trails



Name and draw an animal that you see from each of the following classes:

**Mammal:**

**Reptile:**

**Bird:**

**Amphibian/Fish:**

(Bonus) Research the scientific name of two animals above.

**Common Name:**

**Scientific Name:**

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# Heritage Rose Garden & Historic Orchard



Pick your favorite rose.

Draw it here!



Aside from displaying beautiful roses for visitors, the Heritage Rose Garden also plays a scientific role, collecting rose species that are facing environmental and biological risks.

## What are At-risk Species?

- Species that are going \_\_\_\_\_.
- Species that have lost \_\_\_\_\_ diversity and have a shrinking \_\_\_\_\_.
- Species that are losing their natural \_\_\_\_\_ due to natural \_\_\_\_\_ or \_\_\_\_\_ developments.
- Species that are threatened by \_\_\_\_\_ species.

### Word Bank

Extinct      Invasive      Gene pool      Human  
Genetic      Disasters      Habitats

Plants play a crucial role for the ecosystem and the \_\_\_\_\_. Through photosynthesis,



plants use \_\_\_\_\_ from the \_\_\_\_\_, \_\_\_\_\_ from the atmosphere, and \_\_\_\_\_



to produce nutrients for themselves and \_\_\_\_\_ for organisms to breathe. Plants



also feed pollinators like \_\_\_\_\_ and \_\_\_\_\_. If there were no plants, herbivores



like \_\_\_\_\_ and \_\_\_\_\_ would not survive, and this would create a \_\_\_\_\_ effect



within food chains. Therefore, it is our responsibility to preserve their diversity.



# Answer Key - Guadalupe Gardens

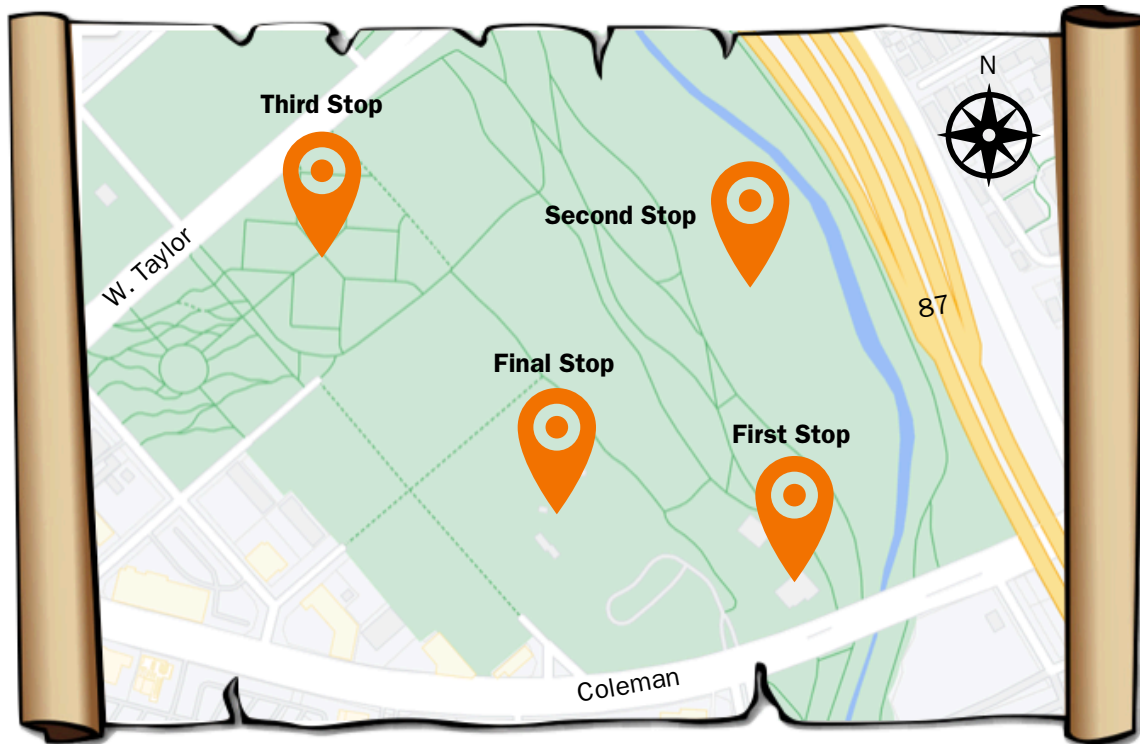


## What are At-risk Species?

- Species that are going **extinct**.
- Species that have lost **genetic** diversity and have a shrinking **gene pool**.
- Species that are losing their natural **habitats** due to natural **disasters** or **human** developments.
- Species that are threatened by **invasive** species.

Plants play a crucial role for the ecosystem and the **world**. Through photosynthesis, plants use **light/energy** from the **sun**, **carbon dioxide** from the atmosphere, and **water** to produce nutrients for themselves and **oxygen** for organisms to breathe. Plants also feed pollinators like **bees** and **butterflies**. If there were no plants, herbivores like **rabbits** and **deer** would not survive, and this would create a **domino** effect within food chains. Therefore, it is our responsibility to preserve their diversity.

## Important Addresses



### First Stop:

Guadalupe River Park Conservancy Visitor & Education Center

**Address:** 438 Coleman Ave, San Jose, CA 95110

### Second Stop:

Explore Guadalupe River Park trails!

**Location:** Northwest and adjacent to the Visitor & Education Center

### Third Stop:

Heritage Rose Garden & Historic Orchard

**Location:** On West Taylor Street across from Columbus Park

### Final Stop:

Rotary PlayGarden

**Location:** Directly West of the Visitor & Education Center