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
Ground Squirrel

Expedition Completed By: _____________________________
Date: _____________________________

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

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…

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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**

<table>
<thead>
<tr>
<th>Extinct</th>
<th>Invasive</th>
<th>Gene pool</th>
<th>Human</th>
</tr>
</thead>
<tbody>
<tr>
<td>Genetic</td>
<td>Disasters</td>
<td>Habitats</td>
<td></td>
</tr>
</tbody>
</table>

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.

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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.

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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

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