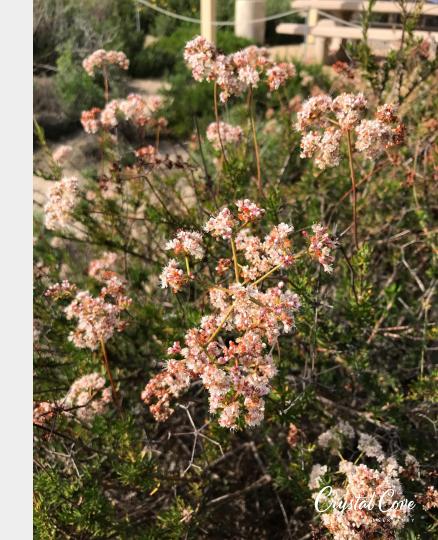
Investigation: Creating an Explanation

In this investigation, you will learn how to create an explanation checklist and use it to construct your recommendation!





Ready Your Science Notebook!

Review the *Explanation Checklist* in your Science Notebook document. Add any additional science ideas that you think will be important to include when you make a recommendation to Crystal Cove State Park.

When you're ready, move on to the next slide!

Crystal Cove Conservancy Virtual Project Crystal

our Name:	Date:
Making Recommendations: Explanati	on Checklist
ana Nguyen, Crystal Cove State Park's environmental scientist, wa he most effective way to restore Moro Canyon!	ants to know what you think about
Based on your findings, do you think that Crystal Cove State F mulch when planting seedlings in Moro Canyon? If so, should woody mulch?	
Sefore deciding on your recommendation, review the Explanation should include all of the important science ideas that you think you ecommendation to Crystal Cove State Park.	
Directions: Read through the Explanation Checklist. Add any addition include.	tional science ideas that you want
n my recommendation to Crystal Cove State Park, I want	to be certain to mention
$f \square$ The physical differences between woody mulch an	d straw-like mulch
☐ How mulch affects soil moisture	
☐ How plants use water	
☐ How water in the soil is used	
lacksquare How soil moisture affects seedling growth	
Your idea:	
Your idea:	
Your idea:	



Ready Your Science Notebook!

Use your science notebook page to draft a recommendation to Crystal Cove State Park! Make sure to follow the *Claim-Evidence-Reasoning* format and include all of the ideas from your Explanation Checklist.

Crystal Cove Conservancy

Virtual Project Crystal

Directions: First, complete the "Gotta Have" Explanation Checklist. Next, explain what kind of mulch you think Crystal Cove State Park land managers should use mulch when planting seedlings in Moro Canyon. Make sure to include all of the ideas from the checklist in your explanation!

"Gotta Have" Explanation Checklist	
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o	
o	
o	
o	
I think that [what you observed] was caused by [what you predict is causing what you saw]	
This is because [why you think it happened]	
This explanation is also supported by the fact that [any other observations or evidence that support your idea]	