

Name _____

Date _____



Module 4

AICO Stellar Scholars



Question 1

How do space satellites from NASA help us monitor Ocean changes.

- The Surface Water and Ocean Topography (SWOT) mission, launched in 2022, and Sentinel 6 Michael Freilich, launched in 2020, are providing views of sea level rise on top of decades of data from other missions.
- They can be used to monitor ocean changes by measuring sea surface height, ocean currents, and heat storage on a global scale
- These satellite missions can provide critical data that enhances our understanding of ocean dynamics and their impact on global climate patterns.

Question 2

Why is space research important for climate change and how does this affect us in our daily lives?

This answer can either be from personal experience or the presentation. Subjective answer marked on effort

----- Example 1: Climate change can cause a raise in sea levels... -----

-- Example 2: Climate change casues an increase in temperature, I have noticed it makes winter shorter... --

Question 3

What do you believe can be used by space researchers to fight climate change in the future?

- Subjective answer should be marked based off effort and creativity. For example students can say things -

----- like finding an different planet to potentially move to or gather resources from. -----
