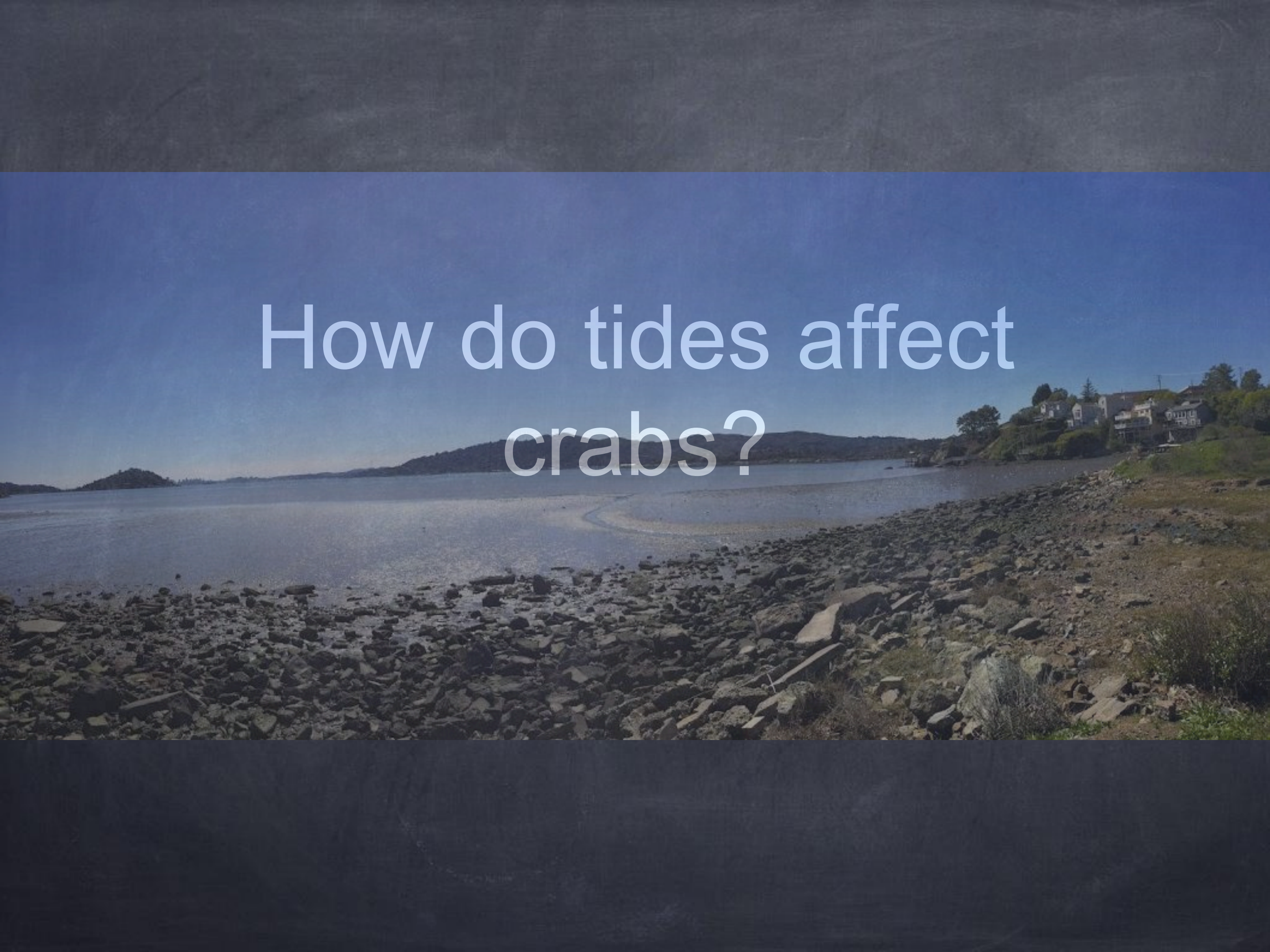


A photograph of four students standing in a grassy field under a clear blue sky. The students are dressed in casual attire. A large white title is overlaid on the center of the image.

How do tides affect crabs?

MVMS

Siena Kuhn, Lillian Einhorn, Anthony Rago

A coastal landscape featuring a rocky shoreline in the foreground, a calm body of water in the middle ground, and a hillside with houses in the background under a clear blue sky. The text "How do tides affect crabs?" is overlaid in white on the water and sky.

How do tides affect crabs?

Background info

A photograph of a crab on a rocky shore. The crab is positioned in the center-right of the frame, facing left. It has a brown and white patterned shell and large, dark claws. The surrounding environment consists of dark, wet rocks and shallow tide pools filled with clear water. The background is slightly blurred, showing more of the rocky terrain and the edge of the water.

- Sea water is cold so crabs live at the shore
- As tides move up and down the beach the crabs move with the tides
- Crabs dig holes for protection from their predators like Gulls
- Swash zones are where the sand crabs feed on tiny plankton

Hypothesis

A photograph of a crab on a rocky shore, overlaid with a semi-transparent dark blue rectangle containing text. The crab is positioned in the lower center of the frame, facing towards the right. The background consists of various sized grey and brown rocks. The text is white and centered within the dark blue overlay.

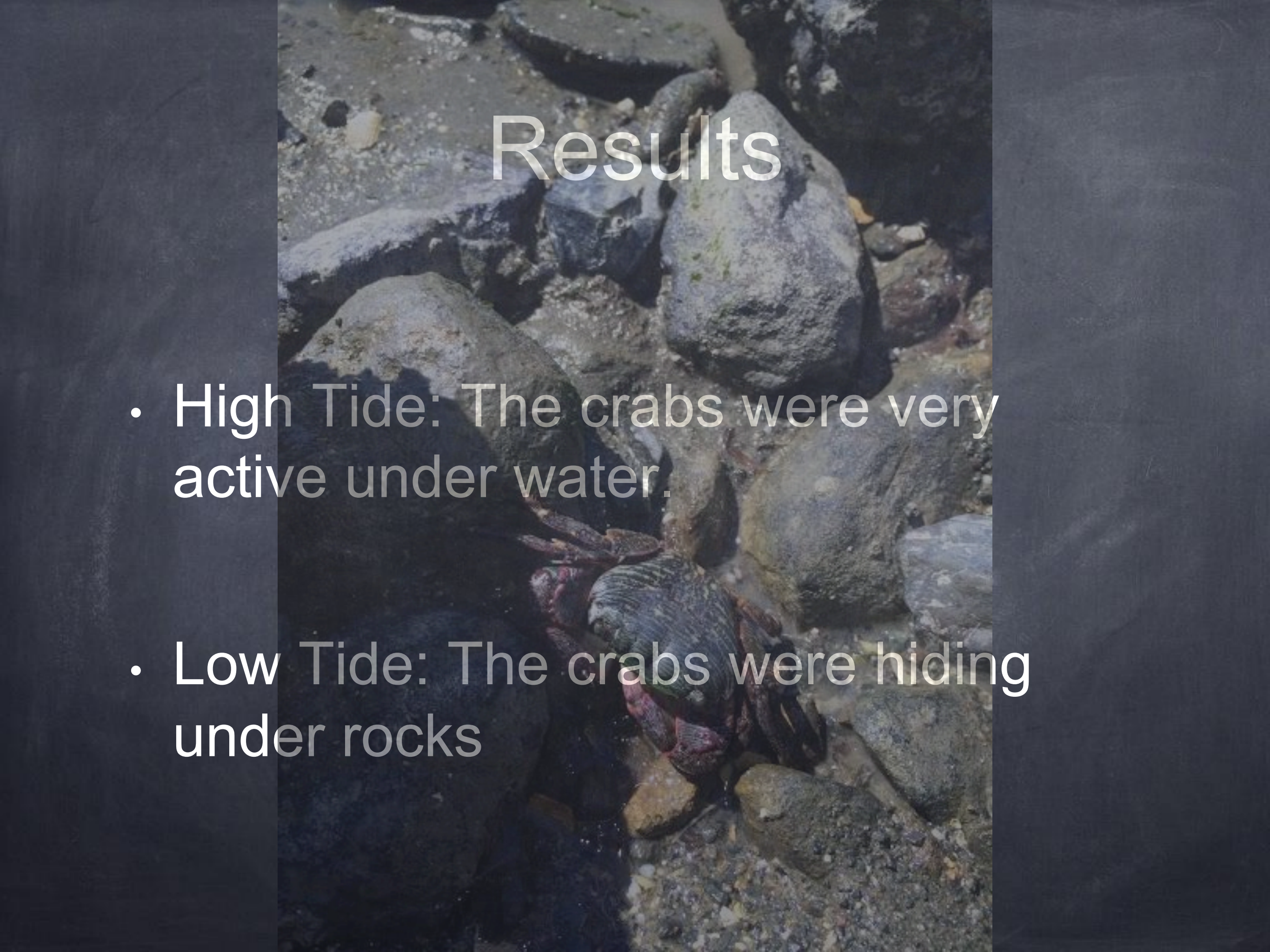
- At high tide, the crabs will be less active.
- At low tide, crabs will be more active.

Methods

The background of the slide is a photograph of a rocky shoreline. In the foreground, a large, dark-colored crab is visible, partially obscured by the text. The rocks are dark and wet, suggesting a tidal environment. The overall scene is dimly lit, with a blueish-grey color palette.

- Three crabs
- Measurements, at low tide and high tide
- Three measurements at high tide and at low tide

Results



- High Tide: The crabs were very active under water.
- Low Tide: The crabs were hiding under rocks

Conclusion

- Our Hypothesis was not supported by our data.
- Our data shows: High Tide, active underwater. Low Tide, hiding under rocks
- This is important because
 - scientists
 - fisherman

Acknowledgements

A woman with blonde hair, glasses, and a brown scarf is smiling broadly. She is holding a white spiral notebook and a black pen. She is standing in what appears to be a classroom or office, with a bulletin board and a desk visible in the background.

- Thank you to NSF, Bodega Marine Lab and others who helped with your project
- Thank you Rachel for setting up all of our field trips and helping us with our questions.

THE END

