

Nadja de Sa
Sticky Fingers

The purpose of this project was to test the adherence time of Brittle Starfish to the varying rock type (New Mexico Sandstone, Marble, Plum Quartzite, Granite, Slate, Porcelain, River Rock, Lava Rock, Ceramic, and Silver Quartzite) and determine whether or not the rock type effects the adherence time. I hypothesized that New Mexico Sandstone will have the longest time because of its grainy texture that allows the starfish to grab onto the rock.

This experiment evolved setting starfish on rocks, then flipping them upside down on a support structure, and beginning the timer. Once the starfish fully detached I would stop the timer and Record my data in seconds.

The data collected did support the original hypothesis. A statistical difference was noted, concluding that the rock type does affect the adherence time. The average adherence time for the New Mexican Sandstone was 77.7 seconds, which was higher than all other 9 materials.

These finding lead me to conclude that Brittle Starfish adhere longest to New Mexican Sandstone compared to Marble, Plum Quartzite, Granite, Slate, Porcelain, River Rock, Lava Rock, Ceramic, and Silver Quartzite.