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Does The Color Of Sand Affect The Rate At Which Ice Melts

The purpose of this experiment was to determine if dust storms, volcanoes, and pollution severely impacted glaciers. To test this I tested if different colors and amounts of sand affected the rate at which ice melts. My procedure was to measure out certain amounts of distilled water and freeze them. Melt each block of ice. Two 5 cup samples with no sand, two 1/2 cup samples with no sand, and two 1/2 cup samples for each color of sand. One gram and ten gram samples of brown, red, orange, and yellow. The results were that the blocks of brown ice melted the fastest, red sand melted second fastest, orange sand melted third fastest, yellow sand melted fourth fastest and, the control with no sand melted the slowest. The blocks with ten grams of sand melted faster than the blocks of sand with 1 gram. In conclusion I determined that when dust from dust storms, ash and dust from volcanoes, and gases from pollution get into our atmosphere they can affect glaciers in a very serious way.