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*Color vs. Clear: The Battle for Clean Water*

My experiment was to see how the color of water affected the amount of distilled water produced. My hypothesis states that the darker the water, the more water it will distill. I conducted this experiment by making 5 solar stills from 2-liter bottles and putting Clear, Black, Blue, Yellow and Red colored salt water in each of them. I put one of these colors in each of the solar stills and left them out in the sun all day. Then, I recorded the amount of distilled water each had in milliliters. I did several tests, switching out solar stills with water colors. My observations showed that for almost all the tests, the black water had the most distilled water at the end of each day, and the clear water had the lowest. This led to my conclusion that the darker the water is, the more water it will distill. These results are applicable to the real world because most of the Earth is covered with salt water. If we can find a fast, efficient way to convert the salt water into drinkable water, it would help the society.