

Alayna Perez
Glow All the Way

Even though glow sticks are used for light, they can also be lifesaving. The purpose of this project was to see which water temperature can change the glowing time of a glow stick. Three glow sticks were placed in a different container at different temperatures. Each container held 120 oz. each. In all the containers, each one had a thermometer that needed to be reached at a certain temperature according to the color of the glow stick. In order for temperature to be exact, each container must be at the appropriate water temperature adding or taking ice to each container. The results of this experiment were that the container with temperature of 5 degrees Celsius last the longest for about 23 hours long. The glow stick that was in 45 degrees Celsius burst after 11 hours and 13 minutes. And the last glow stick stayed glowing for 21 hours and 3 minutes. This experiment took over 24 hours with being watched through the whole procedure. In the end, the glow stick which was at the temperature at 5 degrees Celsius, stayed lit longer than any of the three.