

Ice Bucket Challenge

Throughout the summer of 2014, having a bucket filled with ice and cold water dumped on someone's head became pretty popular. Everyone across the country was getting involved with this activity! But why were they doing this?

In order to raise awareness for the ALS (Amyotrophic Lateral Sclerosis) Association, people would challenge others to either donate money to the organization within 24 hours, or they would have to dump water on their heads. The creators of the Ice Bucket Challenge believed that if three new people were challenged every time, eventually, billions across the country would donate and know about the ALS Association.

At Stage One of the process, a person challenged three others to take part in the Ice Bucket Challenge. At Stage Two, each of these three people challenged three others. How many people participated at Stage Five? How many people participated at Stage 10? Describe a function that would model the Ice Bucket Challenge process at any stage. Explain how your function models the situation.