

Stella Addis
Salty Studies

My experiment was to determine if the different levels of salt content from different oceans affect the evaporation of the ocean water. I thought that if there is more salt, it could take a longer amount of time to evaporate because salt impacts evaporation rates. I tested water from 4 different oceans and tap water. I measured the salinities and volumes using a refractometer and graduated cylinder. The data reflected that the Antarctic ocean has the highest salinity level, and lowest amount of change in volume. Tap water has the lowest salinity, and highest amount of change in volume. My hypothesis was correct, and background research helped show why my data made sense. If an ocean has a higher amount of salt, it will have a higher salinity and a lower amount of change in volume because when salt water evaporates, it has to break through all the sodium which takes longer than just freshwater evaporating. In the future, this could impact marine life because of global warming, which is continuing to happen every day.