

Let's Get Limestoned!

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Abstract

This research focuses on using coal in a clean and efficient way to provide energy for the environment. In order to complete this job, the process of sequestration is necessary to capture the carbon dioxide released from power plants and store it in underground facilities. The gas is then dissolved in water and sprayed on basalt rock to form limestone, which can further be used to make cement in order to build roads, bridges, buildings, etc., as well as filtering toothpaste and purifying food additives. For this process to work, however, we would need to test it out with multiple experiments. For our experiment, we would need two 100-milliliter beakers, one used for control and the other used as an independent variable. This experiment is an elementary version of sequestration and the eventual reaction of the carbon dioxide reaction with basalt rock. By sequestering the hazardous carbon dioxide gases released from the power plants and applying it to the basalt rock, limestone should be formed. This surplus of limestone should prove to have a positive impact on society and economy.