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- A. Description: My project is to create a lesson involving the factors that affect the rate at which calcium carbonate precipitates. This lesson could be used in a physical science or chemistry class.
- B. Objectives/Goals: This lesson will help students discover the variables that affect solubility, practice designing and conducting sound scientific investigations, practice drawing conclusions based on experimental data, and practice good communication techniques.
- C. Implementation: In this lesson students will design and conduct an investigation around one variable that may increase or decrease the rate at which the calcium carbonate precipitates out of sea water. They will then create a presentation for the class that illustrates their investigation, results, and conclusions.
- D. Evaluation: Students will be required to have their investigation approved before they are allowed to conduct their experiment. Their lab reports and presentations will be evaluated separately. Presentations should be clear and succinct and students should have good presentation techniques like eye contact, volume, etc. The focus of the lab report will be on data presentation (good table or chart with correct labels and clear information), data analysis, drawing sound conclusions based on their data, and discussion of possible errors/improvements/extensions to their experiment.