

The student study about the origin of the sea

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I have instructed the student study about the experiments of rock weathering and the changing in rocks at a junior high school in Tokyo for 25 years. And I am instructing the experiment of the rock weathering about the origin of the sea now. In this experiment students soak six kinds of the representative igneous rock into hydrochloric acid. After hydrochloric acid is neutralized, students measure the degree of neutralization and check materials which produced by neutralization. Students obtained results that there are many materials dissolving in water in the case of the basalt especially. and the basalt can greatly neutralize hydrochloric acid.

Basalt is said to be a main rock to prepare the earth crust of the sea into, and it might be in one of the big factors that the past sea was neutralized.

I think that the weathering experiment of the rock is not studied by an expert very much and can give the result that contribute to development of the planet science depending on the interest of a student and the instructor.

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