

## Let's clean water using minerals and clays

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The mineral water, which everyone often drinks, generates after the rain and snow fallen in mountains are filtered by soils during long time. The soils consist of various minerals and clays, and they have capacities for purifying the water environment. The minerals and clays also have possibilities for cleaning wastewater contaminated with heavy metals and phosphate, etc.. This is due to the adsorption capacities of the minerals and clays. In this theme, we will experiment to compare the capacities of water purifications for various minerals and clays by adding the materials into an aqueous solution contaminated with the harmful substances. Furthermore, we will examine the mechanism for absorbing the harmful substances in an aqueous solution.

