



Environmental Chemistry: Microscale Laboratory Experiments

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Springer, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Experiments.- Water characterization.- Dissolved oxygen in water.- Alkalinity and buffering capacity of water.- Aqueous carbonate equilibria and water corrosiveness.- The point of zero charge of oxides.- Experimental transitions in E vs. pH (or Pourbaix) diagrams.- Air oxidation of metal ions.- Photoassisted reduction of metal complexes.- Anionic detergents and o-phosphates in water.- Halogenated hydrocarbons and the ozone layer depletion.- Acid mine (or acid rock) drainage.- Electrochemical treatment of gas pollutants.- Electrochemical treatment of liquid wastes.- Electrochemical treatment of polluted soils.- Removal of nitric oxide by complex formation.- Photocatalytic remediation of pollutants.- Chemical mineralization of pollutants through the Fenton reaction.- Production and analysis of chloramines.- Production and analysis of chlorine dioxide.- Metal ion recovery by cementation.- Green chemistry: The recovery and reuse of sulfur dioxide.- Microorganisms in soil, water and air.- Toxicity assay using bacterial growth.- Wastewater disinfection.- Appendix I: Answers to selected problems from the experiments.- Appendix II: Analytically-oriented environmental chemistry experiments in the literature.



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Reviews

Very helpful to all type of individuals. It really is rally interesting throgh looking at time. Its been designed in an extremely basic way which is just soon after i finished reading this pdf through which basically modified me, change the way i believe.

-- **Tyshawn Brekke**

The publication is easy in read through preferable to fully grasp. It is writter in simple phrases instead of hard to understand. You will not sense monotony at at any moment of your respective time (that's what catalogs are for concerning if you request me).

-- **Kevin Bergstrom Sr.**