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this carefully revised third edition on the electrical optical magnetic and thermal properties of materials stresses concepts rather than mathematical formalism many examples from engineering practice provide an understanding of common devices and methods

how to ensure clean potable water hydrochemistry colloidal chemistry physics plus engineering aspects are combined in this book for practical drinking water treatment focusing on coagulation flocculation as a key step in this process it provides principles optimisation and efficiency evaluation broader theoretical background and practical aspects

this two volume set provides an extensive review of the abundant past and recent literature on the atmospheric chemistry in the mediterranean region the books document the experience gained on the atmospheric composition over the mediterranean basin and close areas after six decades of research starting from early studies of radioactive aerosol fallouts and intense desert dust events in the 1960s followed by studies of aerosols collected during oceanographic cruises in the early 1980s and including subsequent knowledge from various surface monitoring stations intensive campaigns satellite climatologies laboratory studies as well as chemistry transport and climate models through ten thematic sections the authors examine the sources and fates of atmospheric pollutants over the mediterranean basin and what we know about the main impacts of the regional atmospheric chemistry this overview not only considers the full regional cycle of both aerosol and reactive gases including emissions transport transformations and sinks but also addresses their major impacts on air quality and health on the radiative budget and climate on marine chemistry and biogeochemistry the volumes are an initiative from the charmex project that has federated many studies on those topics in the 2010 2020 decade and update the scientific knowledge by integrating the charmex and non charmex literature the books are contributed by a large pool of well known

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the cooperation council for the arab states of the gulf gcc has been at the epicenter of global energy markets because of its substantial endowment of hydrocarbons yet countries in the region have also stated their intent to be global leaders in

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