

chapter equivalencies for Environmental Chemistry

Manahan 10th ed. Table of Contents

Chapter 1: Environmental Chemistry and the Five Spheres of the Environment

Chapter 2: The Hydrosphere and Water Chemistry
Chapter 3: Oxidation/Reduction in Aquatic Chemistry
Chapter 4: Phase Interactions in Aquatic Chemistry
Chapter 5: Aquatic Microbial Biochemistry
Chapter 6: Water Pollutants and Water Pollution
Chapter 7: World Water Crisis and Climate Change: Water Renovation and Recycling
Chapter 8: The Atmosphere and Atmospheric Chemistry
Chapter 9: Particles in the Atmosphere
Chapter 10: Gaseous Inorganic Air Pollutants
Chapter 11: Organic Air Pollutants
Chapter 12: Photochemical Smog
Chapter 13: The Endangered Global Atmosphere
Chapter 14: The Geosphere and Geochemistry
Chapter 15: Soil: Earth's Lifeline
Chapter 16: The Anthrosphere: Industrial Ecology and Green Chemistry
Chapter 17: Resources and Sustainable Materials
Chapter 18: Sustainable Energy: The Key to Everything
Chapter 19: The Nature, Sources, and Environmental Chemistry of Hazardous Wastes
Chapter 20: Industrial Ecology for Waste Minimization, Utilization, and Treatment
Chapter 21: The Biosphere: Environmental Biochemistry
Chapter 22: Toxicological Chemistry
Chapter 23: Toxicological Chemistry of Chemical Substances
Chapter 24: Chemical Analysis in Environmental and Toxicological Chemistry
Index

moved to ch17 in 10th ed ch 16

Manahan 9th ed. Table of Contents

Ch 1 The Environment and Sustainability Science

Ch 2 Chemistry and the Anthrosphere: Environmental Chemistry and Green Chemistry

Ch 3 Fundamentals of Aquatic Chemistry
Ch 4 Oxidation–Reduction in Aquatic Chemistry
Ch 5 Phase Interactions in Aquatic Chemistry
Ch 6 Aquatic Microbial Biochemistry
Ch 7 Water Pollution
Ch 8 Water Treatment
Ch 9 The Atmosphere and Atmospheric Chemistry
Ch 10 Particles in the Atmosphere
Ch 11 Gaseous Inorganic Air Pollutants
Ch 12 Organic Air Pollutants
Ch 13 Photochemical Smog
Ch 14 The Endangered Global Atmosphere
Ch 15 The Geosphere and Geochemistry
Ch 16 Soil and Agricultural Environmental Chemistry
Ch 17 Green Chemistry and Industrial Ecology
Ch 18 Resources and Sustainable Materials
Ch 19 Sustainable Energy: The Key to Everything
Ch 20 Nature, Sources, and Environmental Chemistry of Hazardous Wastes
Ch 21 Industrial Ecology for Waste Minimization, Utilization, and Treatment
Ch 22 Environmental Biochemistry
Ch 23 Toxicological Chemistry
Ch 24 Toxicological Chemistry of Chemical Substances
Ch 25 Chemical Analysis of Water and Wastewater
Ch 26 Analysis of Wastes and Solids
Ch 27 Analysis of the Atmosphere and Air Pollutants
Ch 28 Analysis of Biological Materials and Xenobiotics