

CONTENT

CHAPTER 1 Limnology: Past, Present, Future	1
CHAPTER 2 The Structure of Aquatic Ecosystems	12
CHAPTER 3 Water and Light	24
CHAPTER 4 Heat	39
CHAPTER 5 Water Movement	57
CHAPTER 6 Chemicals and Growth Factors	87
CHAPTER 7 Oxygen and Carbon Dioxide	95
CHAPTER 8 Nitrogen	114
CHAPTER 9 Phosphorus	131
CHAPTER 10 Other Nutrients	142
CHAPTER 11 Organisms in Lakes, Streams, and Estuaries	165
CHAPTER 12 Phytoplankton	197
CHAPTER 13 Zooplankton and Zoobenthos	221
CHAPTER 14 Fish and Fisheries	247
CHAPTER 15 Food-Chain Dynamics	272
CHAPTER 16 Streams and Rivers	292
CHAPTER 17 Estuaries	317
CHAPTER 18 Origin of Lakes and Estuaries, Eutrophication, and Paleolimnology	341
CHAPTER 19 Comparative and Regional Limnology	362
CHAPTER 20 Applied Limnology	387
References	411
Indexes	435