Contents

Preface vii

- 1 Introduction 1
- 2 Classification of the algae 5
- 3 Cellular and subcellular organization 46
- 4 Levels of organization 92
- 5 Reproduction and life cycles 120
- 6 Physiology and biochemistry 163
- 7 Ecology 191
- 8 Evolution and phylogeny 237
- 9 Algae, human affairs, and environment 263References 279Index 331