

Foreword	ix
Acknowledgments	xi
Introduction	xiii

Part I Evolutionary History 1

1. Tetrapod Relationships and Evolutionary Systematics 3
2. Anatomy of Amphibians and Reptiles 35
3. Evolution of Ancient and Modern Amphibians and Reptiles 83

Part II Reproduction and Reproductive Modes 115

4. Reproduction and Life Histories 117
5. Reproductive Modes 157

Part III Physiological Ecology 179

6. Water Balance and Gas Exchange 181
7. Thermoregulation, Performance, and Energetics 203

Part IV Behavioral Ecology 229

8. Spacing, Movements, and Orientation 231
9. Communication and Social Behavior 255
10. Foraging Ecology and Diets 291
11. Defense and Escape 319

Part V Ecology, Biogeography, and Conservation Biology 353

12. Ecology 355
13. Biogeography and Phylogeography 381
14. Conservation Biology 407

Part VI Classification and Diversity 445

15. Caecilians 447
16. Salamanders 457
17. Frogs 471
18. Turtles 523
19. Crocodylians 545
20. Rhynchocephalians (Sphenodontids) 553
21. Squamates—Part I. Lizards 555
22. Squamates—Part II. Snakes 597

Bibliography	629
Glossary	727
Taxonomic Index	731
Subject Index	751