

Table of Contents

Chapter 1 The Web of Life

Unit 1 Organisms and Their Environment

Chapter 2 The Physical Environment

Chapter 3 The Biosphere

Chapter 4 Coping with Environmental Variation: Temperature and Water

Chapter 5 Coping with Environmental Variation: Energy

Unit 2 Evolutionary Ecology

Chapter 6 Evolution and Ecology

Chapter 7 Life History

Chapter 8 Behavioral Ecology

Unit 3 Populations

Chapter 9 Population Distribution and Abundance

Chapter 10 Population Dynamics

Chapter 11 Population Growth and Regulation

Unit 4 Species Interactions

Chapter 12 Predation

Chapter 13 Parasitism

Chapter 14 Competition

Chapter 15 Mutualism and Commensalism

Unit 5 Communities

Chapter 16 The Nature of Communities

Chapter 17 Change in Communities

Chapter 18 Biogeography

Chapter 19 Species Diversity in Communities

Unit 6 Ecosystems

Chapter 20 Production

Chapter 21 Energy Flow and Food Webs

Chapter 22 Nutrient Supply and Cycling

Unit 7 Applied and Large-Scale Ecology

Chapter 23 Conservation Biology

Chapter 24 Landscape Ecology and Ecosystem Management

Chapter 25 Global Ecology