



anthropology

what does it mean to be human?

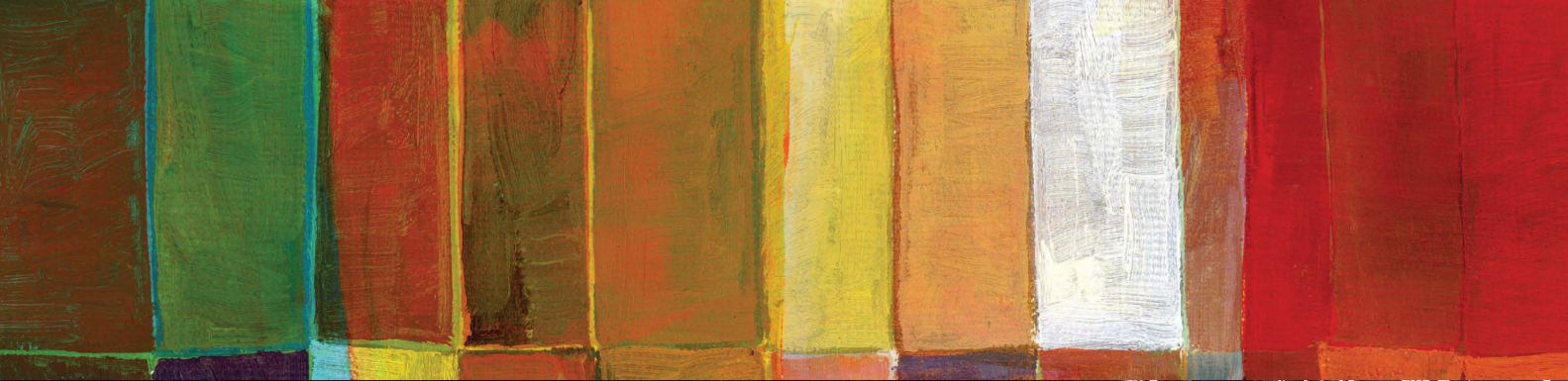
FOURTH EDITION

Robert H. Lavenda | Emily A. Schultz

OXFORD
UNIVERSITY PRESS

www.btestbanks.com

anthropology





anthropology

what does it mean to be human?

FOURTH EDITION

Robert H. Lavenda

St. Cloud State University

Emily A. Schultz

St. Cloud State University

New York Oxford
OXFORD UNIVERSITY PRESS

www.btestbanks.com

Oxford University Press is a department of the University of Oxford. It furthers the University's objective of excellence in research, scholarship, and education by publishing worldwide. Oxford is a registered trade mark of Oxford University Press in the UK and certain other countries.

Published in the United States of America by Oxford University Press
198 Madison Avenue, New York, NY 10016, United States of America.

© 2018, 2015, 2012, 2008 by Robert H. Lavenda and Emily A. Schultz

For titles covered by Section 112 of the US Higher Education Opportunity Act, please visit www.oup.com/us/he for the latest information about pricing and alternate formats.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, without the prior permission in writing of Oxford University Press, or as expressly permitted by law, by license, or under terms agreed with the appropriate reproduction rights organization. Inquiries concerning reproduction outside the scope of the above should be sent to the Rights Department, Oxford University Press, at the address above.

You must not circulate this work in any other form
and you must impose this same condition on any acquirer.

Library of Congress Cataloging-in-Publication Data

Names: Lavenda, Robert H., author. | Schultz, Emily A. (Emily Ann), author.
Title: Anthropology : what does it mean to be human? / Robert H. Lavenda,
Emily A. Schultz.

Description: Fourth edition. | New York, NY : Oxford University Press, 2018.
| Includes bibliographical references and index.

Identifiers: LCCN 2017041794 | ISBN 9780190840686 (pbk. : alk. paper)

Subjects: LCSH: Anthropology.

Classification: LCC GN25 .L38 2018 | DDC 301—dc23

LC record available at <https://lcn.loc.gov/2017041794>

9 8 7 6 5 4 3 2 1

Printed by LSC Communications, United States of America

In memory of Beatrice G. Schultz,
Violet H. Lavenda, George Lavenda,
and Henry W. Schultz

Brief Contents

Boxes xxii
Preface xxiii

CHAPTER 1 What Is Anthropology? 3

MODULE 1: Anthropology, Science, and Storytelling 21

CHAPTER 2 Why Is Evolution Important to Anthropologists? 31

CHAPTER 3 What Can the Study of Primates Tell Us about Human Beings? 61

MODULE 2: Dating Methods in Paleoanthropology and Archaeology 82

CHAPTER 4 What Can the Fossil Record Tell Us about Human Origins? 95

CHAPTER 5 What Can Evolutionary Theory Tell Us about Human Variation? 143

CHAPTER 6 How Do We Know about the Human Past? 169

CHAPTER 7 Why Did Humans Settle Down, Build Cities, and Establish States? 201

CHAPTER 8 Why Is the Concept of Culture Important? 237

MODULE 3: On Ethnographic Methods 257

CHAPTER 9 Why Is Understanding Human Language Important? 273

MODULE 4: Components of Language 298

CHAPTER 10 How Do We Make Meaning? 303

CHAPTER 11 Why Do Anthropologists Study Economic Relations? 337

CHAPTER 12 How Do Anthropologists Study Political Relations? 363

CHAPTER 13 What Can Anthropology Teach Us about Sex, Gender, and Sexuality? 393

CHAPTER 14 Where Do Our Relatives Come from and Why Do They Matter? 421

CHAPTER 15 What Can Anthropology Tell Us about Social Inequality? 469

CHAPTER 16 How Is Anthropology Applied in the Field of Medicine? 503

Glossary 530
References 541
Credits 554
Index 559

Contents

Boxes xxii
Preface xxiii

CHAPTER 1 What Is Anthropology? 3



What Is Anthropology? 5
What Is the Concept of Culture? 6
What Makes Anthropology a Cross-Disciplinary Discipline? 7
Biological Anthropology 8

■ IN THEIR OWN WORDS: Anthropology as a Vocation: Listening to Voices 9

Cultural Anthropology 11
Linguistic Anthropology 14
Archaeology 14
Applied Anthropology 15
Medical Anthropology 16
The Uses of Anthropology 17

■ IN THEIR OWN WORDS: What Can You Learn from an Anthropology Major? 18

CHAPTER SUMMARY 19
FOR REVIEW 19
KEY TERMS 20
SUGGESTED READINGS 20

MODULE 1: Anthropology, Science, and Storytelling 21

Scientific and Nonscientific Explanations 21
Some Key Scientific Concepts 23

MODULE SUMMARY 29
FOR REVIEW 29
KEY TERMS 29

CHAPTER 2 Why Is Evolution Important to Anthropologists? 31



What Is Evolutionary Theory? 32
What Material Evidence Is There for Evolution? 33
Pre-Darwinian Views of the Natural World 33
Essentialism 33
The Great Chain of Being 34
Catastrophism and Uniformitarianism 36
Transformational Evolution 36

What Is Natural Selection?	38
Population Thinking	39
Natural Selection in Action	40
How Did Biologists Learn about Genes?	41
Mendel's Experiments	42
The Emergence of Genetics	43
What Are the Basics of Contemporary Genetics?	43
Genes and Traits	44
■ ANTHROPOLOGY in <i>Everyday Life</i> : Investigating Human-Rights Violations and Identifying Remains	46
Mutation	48
DNA and the Genome	49
Genotype, Phenotype, and the Norm of Reaction	50
■ IN THEIR OWN WORDS: How Living Organisms Construct Their Environments	54
What Does Evolution Mean?	55
CHAPTER SUMMARY	56
FOR REVIEW	57
KEY TERMS	58
SUGGESTED READINGS	58

CHAPTER 3 What Can the Study of Primates Tell Us about Human Beings? 61



What Are Primates?	62
How Do Biologists Classify Primates?	62
How Many Categories of Living Primates Are There?	64
Strepsirrhines	64
Haplorhines	65
■ IN THEIR OWN WORDS: The Future of Primate Biodiversity	70
What Is Ethnoprimatology?	72
■ IN THEIR OWN WORDS: Chimpanzee Tourism	74
Are There Patterns in Primate Evolution?	74
How Do Paleoanthropologists Reconstruct Primate Evolutionary History?	76
Primates of the Paleocene	76
Primates of the Eocene	77
Primates of the Oligocene	77
Primates of the Miocene	78
CHAPTER SUMMARY	79
FOR REVIEW	80
KEY TERMS	80
SUGGESTED READINGS	80

MODULE 2: Dating Methods in Paleoanthropology and Archaeology 82

Relative Dating Methods 82

Numerical (or Absolute) Dating Methods 85

Modeling Prehistoric Climates 91

MODULE SUMMARY 91

FOR REVIEW 93

KEY TERMS 93

CHAPTER 4 What Can the Fossil Record Tell Us about Human Origins? 95



What Is Macroevolution? 96

What Is Hominin Evolution? 98

Who Were the First Hominins (6–3 mya)? 99

The Origin of Bipedalism 99

■ IN THEIR OWN WORDS: Finding Fossils 103

Changes in Hominin Dentition 104

Who Were the Later Australopiths (3–1.5 mya)? 105

How Many Species of Australopith Were There? 106

How Can Anthropologists Explain the Human Transition? 108

What Do We Know about Early *Homo* (2.4–1.5 mya)? 108

Expansion of the Australopith Brain 108

How Many Species of Early *Homo* Were There? 109

Earliest Evidence of Culture: Stone Tools 110

Who Was *Homo erectus* (1.8–1.7 mya to 0.5–0.4 mya)? 112

Morphological Traits of *H. erectus* 113

The Culture of *H. erectus* 114

H. erectus the Hunter? 115

What Happened to *H. erectus*? 116

How Did *Homo sapiens* Evolve? 117

What Is the Fossil Evidence for the Transition to Modern

H. sapiens? 117

Where Did Modern *H. sapiens* Come from? 118

Who Were the Neandertals (130,000–35,000 Years Ago)? 119

What Do We Know about Middle Paleolithic/Middle Stone Age Culture? 121

■ IN THEIR OWN WORDS: Bad Hair Days in the Paleolithic:
Modern (Re)Constructions of the Cave Man 122

Did Neandertals Hunt? 124

What Do We Know about Anatomically Modern Humans (200,000 Years Ago to Present)? 124

What Can Genetics Tell Us about Modern Human Origins? 125

What Do We Know about the Upper Paleolithic/Late Stone Age (40,000–12,000 Years Ago)? 127

What Happened to the Neandertals?	129
How Many Kinds of Upper Paleolithic/Late Stone Age Cultures Were There?	130
Where Did Modern <i>H. sapiens</i> Migrate in Late Pleistocene Times?	131
■ IN THEIR OWN WORDS: Women's Art in the Upper Paleolithic?	132
Eastern Asia and Siberia	134
The Americas	135
Australasia	136
Two Million Years of Human Evolution	136
CHAPTER SUMMARY	137
FOR REVIEW	139
KEY TERMS	140
SUGGESTED READINGS	140

CHAPTER 5 What Can Evolutionary Theory Tell Us about Human Variation? 143



What Is Microevolution?	144
The Modern Evolutionary Synthesis and Its Legacy	144
■ IN THEIR OWN WORDS: Have We Ever Been Individuals?	145
The Molecularization of Race?	148
The Four Evolutionary Processes	152
■ IN THEIR OWN WORDS: DNA Tests Find Branches but Few Roots	153
Microevolution and Patterns of Human Variation	156
Adaptation and Human Variation	158
Phenotype, Environment, and Culture	162
Can We Predict the Future of Human Evolution?	165
CHAPTER SUMMARY	166
FOR REVIEW	166
KEY TERMS	167
SUGGESTED READINGS	167

CHAPTER 6 How Do We Know about the Human Past? 169



What Is Archaeology?	170
Surveys	172
Archaeological Excavation	175
Archaeology and Digital Heritage	177
How Do Archaeologists Interpret the Past?	178
Subsistence Strategies	178
Bands, Tribes, Chiefdoms, and States	180
Whose Past Is It?	183

How Is the Past Being Plundered? 186

■ IN THEIR OWN WORDS: Rescue Archaeology in Europe 188

What Are the Critical Issues in Contemporary Archaeology? 190

Archaeology and Gender 190

Collaborative Approaches to Studying the Past 192

■ ANTHROPOLOGY in *Everyday Life*: Archaeology as a Tool of Civic Engagement 193

Cosmopolitan Archaeologies 195

CHAPTER SUMMARY 197

FOR REVIEW 198

KEY TERMS 198

SUGGESTED READINGS 198

CHAPTER 7 Why Did Humans Settle Down, Build Cities, and Establish States? 201



How Is the Human Imagination Entangled with the Material World? 202

Is Plant Cultivation a Form of Niche Construction? 204

How Do Anthropologists Explain the Origins of Animal Domestication? 207

Was There Only One Motor of Domestication? 211

How Did Domestication, Cultivation, and Sedentism Begin in Southwest Asia? 212

Natufian Social Organization 213

■ ANTHROPOLOGY in *Everyday Life*: Çatalhöyük in the Twenty-First Century 214

Natufian Subsistence 215

Domestication Elsewhere in the World 217

What Were the Consequences of Domestication and Sedentism? 218

■ IN THEIR OWN WORDS: The Food Revolution 220

How Do Anthropologists Define Social Complexity? 222

Why Is It Incorrect to Describe Foraging Societies as “Simple”? 222

What Is the Archaeological Evidence for Social Complexity? 223

Why Did Stratification Begin? 225

How Can Anthropologists Explain the Rise of Complex Societies? 226

■ IN THEIR OWN WORDS: The Ecological Consequences of Social Complexity 228

Andean Civilization 229

CHAPTER SUMMARY 233
 FOR REVIEW 235
 KEY TERMS 235
 SUGGESTED READINGS 235

CHAPTER 8 Why Is the Concept of Culture Important? 237



How Do Anthropologists Define Culture? 238

- IN THEIR OWN WORDS: The Paradox of Ethnocentrism 239
- IN THEIR OWN WORDS: Culture and Freedom 241

Culture, History, and Human Agency 242

- IN THEIR OWN WORDS: Human-Rights Law and the Demonization of Culture 243

Why Do Cultural Differences Matter? 245

- What Is Ethnocentrism? 246
- Is It Possible to Avoid Ethnocentric Bias? 246
- What Is Cultural Relativism? 246

How Can Cultural Relativity Improve Our Understanding of Controversial Cultural Practices? 247

- Genital Cutting, Gender, and Human Rights 247
- Genital Cutting as a Valued Ritual 248
- Culture and Moral Reasoning 249
- Did Their Culture Make Them Do It? 249

Does Culture Explain Everything? 250

- Cultural Imperialism or Cultural Hybridity? 251
- Cultural Hybridity 252
- Are There Limits to Cultural Hybridity? 254
- Can We Be at Home in a Global World? 254

The Promise of the Anthropological Perspective 255

CHAPTER SUMMARY 255
 FOR REVIEW 256
 KEY TERMS 256
 SUGGESTED READINGS 256

MODULE 3: On Ethnographic Methods 257

A Meeting of Cultural Traditions 257

Single-Sited Fieldwork 257

- How Do Anthropologists Think about the Ethics of Their Work? 258
- What Is Participant Observation? 260

Multisited Fieldwork 261

Collecting and Interpreting Data 262

The Dialectic of Fieldwork: Interpretation and Translation 263

- Interpreting Actions and Ideas 264

The Dialectic of Fieldwork: An Example	266
The Effects of Fieldwork	267
The Production of Anthropological Knowledge	268
Anthropological Knowledge as Open-Ended	269
MODULE SUMMARY	269
FOR REVIEW	270
KEY TERMS	270
SUGGESTED READINGS	270

CHAPTER 9 Why Is Understanding Human Language Important? 273



What Makes Language Distinctively Human?	274
How Are Language and Culture Related?	276
How Do People Talk about Experience?	278
■ IN THEIR OWN WORDS: Cultural Translation	281
What Does It Mean to “Learn” a Language?	281
How Does Context Affect Language?	282
How Does Language Affect How We See the World?	282
Pragmatics: How Do We Study Language in Contexts of Use?	284
Ethnopragmatics	285
What Happens When Languages Come into Contact?	286
What Is the Difference between a Pidgin and a Creole?	286
How Is Meaning Negotiated?	287
What Is Linguistic Inequality?	287
What Is Language Ideology?	287
How Have Language Ideologies Been at Work in Studies of African American Speech?	288
■ IN THEIR OWN WORDS: Varieties of African American English	289
What Is Raciolinguistics?	290
What Is Lost If a Language Dies?	291
■ ANTHROPOLOGY in Everyday Life: Language Revitalization	292
How Are Language and Truth Connected?	295
CHAPTER SUMMARY	296
FOR REVIEW	297
KEY TERMS	297
SUGGESTED READINGS	297

MODULE 4: Components of Language 298

Phonology: Sounds	298
Morphology: Word Structure	298
Syntax: Sentence Structure	299

Semantics: Meaning 300

FOR REVIEW 301

KEY TERMS 301

CHAPTER 10 How Do We Make Meaning? 303

What Is Play? 304

What Do We Think about Play? 304

What Are Some Effects of Play? 304

What Is Art? 305

Is There a Definition of Art? 305

"But Is It Art?" 309

■ IN THEIR OWN WORDS: Tango 311

"She's Fake": Art and Authenticity 312

How Does Hip-Hop Become Japanese? 313

What Is Myth? 314

How Does Myth Reflect—and Shape—Society? 315

Do Myths Help Us Think? 316

What Is Ritual? 317

How Can Ritual Be Defined? 317

How Is Ritual Expressed in Action? 317

What Are Rites of Passage? 318

■ IN THEIR OWN WORDS: Video in the Villages 319

How Are Play and Ritual Complementary? 319

How Are Worldview and Symbolic Practice Related? 321

What Are Symbols? 321

What Is Religion? 322

How Do People Communicate in Religion? 324

How Are Religion and Social Organization Related? 324

Worldviews in Operation: Two Case Studies 326

Coping with Misfortune: Witchcraft, Oracles, and Magic among the Azande 326

Are There Patterns of Witchcraft Accusation? 328

Coping with Misfortune: Listening for God among Contemporary Evangelicals in the United States 328

■ IN THEIR OWN WORDS: For All Those Who Were Indian in a Former Life 329

Maintaining and Changing a Worldview 330

How Do People Cope with Change? 330

■ IN THEIR OWN WORDS: Custom and Confrontation 331

How Are Worldviews Used as Instruments of Power? 332

CHAPTER SUMMARY 333

FOR REVIEW 334

KEY TERMS 334

SUGGESTED READINGS 334

CHAPTER 11 Why Do Anthropologists Study Economic Relations? 337



How Do Anthropologists Study Economic Relations? 338

What Are the Connections between Culture and Livelihood? 338

Self-Interest, Institutions, and Morals 338

How Do Anthropologists Study Production, Distribution, and Consumption? 339

How Are Goods Distributed and Exchanged? 343

Capitalism and Neoclassical Economics 343

What Are Modes of Exchange? 343

■ IN THEIR OWN WORDS: "So Much Work, So Much Tragedy . . . and for What?" 344

The Maisin and Reciprocity 345

Does Production Drive Economic Activities? 347

Labor 347

Modes of Production 347

■ ANTHROPOLOGY in Everyday Life: Producing Sorghum and Millet in Honduras and the Sudan 348

■ IN THEIR OWN WORDS: Solidarity Forever 350

What Is the Role of Conflict in Material Life? 350

Why Do People Consume What They Do? 351

The Internal Explanation: Malinowski and Basic Human Needs 351

The External Explanation: Cultural Ecology 351

■ IN THEIR OWN WORDS: Questioning Collapse 352

How Is Consumption Culturally Patterned? 354

How Is Consumption Being Studied Today? 356

■ IN THEIR OWN WORDS: Fake Masks and Faux Modernity 357

The Anthropology of Food and Nutrition 359

CHAPTER SUMMARY 360

FOR REVIEW 361

KEY TERMS 361

SUGGESTED READINGS 361

CHAPTER 12 How Do Anthropologists Study Political Relations? 363



How Are Culture and Politics Related? 364

How Do Anthropologists Study Politics? 366

Is Political Power Nothing More Than Coercion? 366

■ IN THEIR OWN WORDS: Protesters Gird for Long Fight over Opening Peru's Amazon 368

What Are Domination and Hegemony? 371

What Are Biopower and Governmentality? 372

■ IN THEIR OWN WORDS: Reforming the Crow Constitution 374

■ ANTHROPOLOGY in Everyday Life: Anthropology and Advertising 375

How Do Anthropologists Study Politics of the Nation-State? 376

Nation Building in a Postcolonial World: The Example of Fiji 377

How Does Globalization Affect the Nation-State? 378

Migration, Trans-Border Identities, and Long-Distance Nationalism 379

Anthropology and Multicultural Politics in the New Europe 380

What Happens to Citizenship in a Globalized World? 385

How Can Citizenship Be Flexible? 385

What Is Territorial Citizenship? 387

What Is Vernacular Statecraft? 388

Global Politics in the Twenty-First Century 389

CHAPTER SUMMARY 390

FOR REVIEW 390

KEY TERMS 391

SUGGESTED READINGS 391

CHAPTER 13 What Can Anthropology Teach Us about Sex, Gender, and Sexuality? 393



How Did Twentieth-Century Feminism Shape the Anthropological Study of Sex, Gender, and Sexuality? 394

How Do Anthropologists Organize the Study of Sex, Gender, and Sexuality? 398

■ IN THEIR OWN WORDS: The Consequences of Being a Woman 401

How Are Sex and Gender Affected by Other Forms of Identity? 402

How Do Ethnographers Study Gender Performativity?	404
How Do Anthropologists Study Connections Among Sex, Gender, Sexuality, and the Body?	406
How Do Anthropologists Study Connections between Bodies and Technologies?	408
How Do Anthropologists Study Relations between Sex, Gender, and Sexuality?	409
How Does Ethnography Document Variable Culture Understandings Concerning Sex, Gender, and SEXUALITY?	411
Female Sexual Practices in Mombasa	412
Male and Female Sexual Practices in Nicaragua	414
Transsexuality and Same-Sex Desire in Iran	415
CHAPTER SUMMARY	417
FOR REVIEW	419
KEY TERMS	419
SUGGESTED READINGS	419

CHAPTER 14 Where Do Our Relatives Come from and Why Do They Matter? 421



How Do Human Beings Organize Interdependence?	422
What Is Friendship?	423
What Is Kinship?	426
What Is the Role of Descent in Kinship?	427
Bilateral Kindreds	428
What Role Do Lineages Play in Descent?	429
Lineage Membership	430
The Logic of Lineage Relationships	430
What Are Patrilineages?	431
What Are Matrilineages?	432
What Are Kinship Terminologies?	433
What Criteria Are Used for Making Kinship Distinctions?	433
What Is Adoption?	434
Adoption in Highland Ecuador	434
What Is the Relation between Adoption and Child Circulation in the Andes?	435
How Flexible Can Relatedness Be?	436
Negotiation of Kin Ties among the Ju/'hoansi	436
European American Kinship and New Reproductive Technologies	437
Assisted Reproduction in Israel	439
Compadrazgo in Latin America	440
Organ Transplantation and the Creation of New Relatives	440
What Is Marriage?	441
Toward a Definition of Marriage	441
Woman Marriage and Ghost Marriage among the Nuer	441

Why Is Marriage a Social Process?	442
Patterns of Residence after Marriage	443
Single and Plural Spouses	443
What Is the Connection between Marriage and Economic Exchange?	445
■ IN THEIR OWN WORDS: Outside Work, Women, and Bridewealth	446
What Is a Family?	447
What Is the Nuclear Family?	447
■ IN THEIR OWN WORDS: Dowry Too High. Lose Bride and Go to Jail	448
What Is the Polygynous Family?	449
Extended and Joint Families	450
How Are Families Transformed over Time?	451
Divorce and Remarriage	451
■ IN THEIR OWN WORDS: Law, Custom, and Crimes against Women	452
How Does International Migration Affect the Family?	453
■ IN THEIR OWN WORDS: Survival and a Surrogate Family	454
■ <i>Anthropology in Everyday Life: Caring for Infibulated Women Giving Birth in Norway</i>	456
Families by Choice	458
The Flexibility of Marriage	458
■ IN THEIR OWN WORDS: Why Migrant Women Feed Their Husbands Tamales	459
■ IN THEIR OWN WORDS: Two Cheers for Gay Marriage	460
Love, Marriage, and HIV/AIDS in Nigeria	462
CHAPTER SUMMARY	463
FOR REVIEW	465
KEY TERMS	466
SUGGESTED READINGS	466

CHAPTER 15 What Can Anthropology Tell Us about Social Inequality? 469



Class	471
Class and Gender in Indonesia	472
Class and Caste in the United States?	472
Caste	473
Caste in India	473
■ IN THEIR OWN WORDS: Burakumin: Overcoming Hidden Discrimination in Japan	475
How Do Caste and Class Intersect in Contemporary India?	475

- IN THEIR OWN WORDS: As Economic Turmoil Mounts, So Do Attacks on Hungary's Gypsies 476

Race 479

Colorism in Nicaragua 480

- IN THEIR OWN WORDS: On the Butt Size of Barbie and Shani: Dolls and Race in the United States 482

Ethnicity 482

- IN THEIR OWN WORDS: The Politics of Ethnicity 483

How Do Anthropologists Study Human Rights? 487

Are Human Rights Universal? 487

- ANTHROPOLOGY in *Everyday Life*: Anthropology and Indigenous Rights 491

- IN THEIR OWN WORDS: How Sushi Went Global 496

CHAPTER SUMMARY 498

FOR REVIEW 500

KEY TERMS 500

SUGGESTED READINGS 500

CHAPTER 16 How Is Anthropology Applied in the Field of Medicine? 503



What Is Medical Anthropology? 504

What Makes Medical Anthropology "Biocultural"? 504

- IN THEIR OWN WORDS: American Premenstrual Syndrome 505

- IN THEIR OWN WORDS: The Madness of Hunger 507

How Do People with Different Cultures Understand the Causes of Sickness and Health? 508

Kinds of Selves 508

Decentered Selves on the Internet 509

- ANTHROPOLOGY in *Everyday Life*: Lead Poisoning among Mexican American Children 510

Self and Subjectivity 511

Subjectivity, Trauma, and Structural Violence 513

How Are Human Sickness and Health Shaped by the Global Capitalist Economy? 516

- IN THEIR OWN WORDS: Ethical Dilemmas and Decisions 517

Health, Human Reproduction, and Global Capitalism 519

Medical Anthropology and HIV/AIDS 522

The Future of Medical Anthropology 525

CHAPTER SUMMARY 526

FOR REVIEW 528