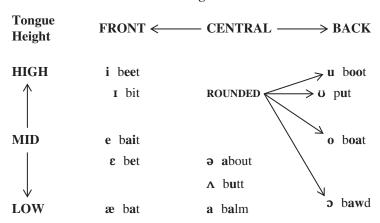
AN INTRODUCTION TO LANGUAGE

TENTH EDITION



Classification of American English Vowels

Part of the Tongue Involved



A Phonetic Alphabet for English Pronunciation

		Consonants				Vowels			
p	pill	t	till	k	k ill	i	b ee t	I	b i t
b	b ill	d	dill	g	gill	e	b ai t	3	b e t
m	mill	n	nil	ŋ	ri ng	u	b oo t	υ	f oo t
f	f eel	S	s eal	h	h eal	О	b oa t	Э	b o re
v	v eal	Z	z eal	1	l eaf	æ	b a t	a	p o t/b a r
θ	th igh	tſ	chill	r	r eef	Λ	b u tt	ə	sof a
ð	thy	ф	g in	j	y ou	aı	b i te	au	b ou t
ſ	shill	M	wh ich	W	w itch	JI	b oy		
3	mea s ure								



An Introduction to Language

10e

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Contents



Preface	xi	
About th	e Authors	ίχ

CHAPTER 1

What Is Language?

Linguistic Knowledge 1
Knowledge of the Sound System 2
Knowledge of Words 3
Arbitrary Relation of Form and
Meaning 3
The Creativity of Linguistic
Knowledge 5
Knowledge of Sentences and
Nonsentences 7
Linguistic Knowledge and
Performance 8

What Is Grammar? 9 Descriptive Grammars 9 Prescriptive Grammars 10 Teaching Grammars 12 Universal Grammar 13 The Development of Grammar 14 Sign Languages: Evidence for Language Universals 15

What Is Not (Human) Language 16
The Birds and the Bees 16
Can Animals Learn Human
Language? 19

Language and Thought 21

Summary 25 References for Further Reading 27 Exercises 28

CHAPTER 2

Morphology: The Words of Language 33

Content Words and Function Words 35

Morphemes: The Minimal
Units of Meaning 36
The Discreteness of Morphemes 38
Bound and Free Morphemes 39
Prefixes and Suffixes 40
Infixes 41
Circumfixes 41
Roots and Stems 42
Bound Roots 43

Rules of Word Formation 43 Derivational Morphology

Inflectional Morphology 46
The Hierarchical Structure of Words 49
Rule Productivity 52
Exceptions and Suppletions 54
Lexical Gaps 55
Other Morphological Processes 56
Back-Formations 56
Compounds 57
"Pullet Surprises" 60

Sign Language Morphology 60

Morphological Analysis: Identifying Morphemes 61

Summary 65 References for Further Reading 66 Exercises 66

CHAPTER 3 Syntax: The Sentence Patterns of Language 76	Lexical Semantics (Word Meanings) 152 Theories of Word Meaning 153 Reference 154
What the Syntax Rules Do 77 What Grammaticality Is Not Based On 80	Sense 155 Lexical Relations 155 Semantic Features 158
Sentence Structure 81 Constituents and Constituency Tests 82 Syntactic Categories 84 Phrase Structure Trees 87	Evidence for Semantic Features 159 Semantic Features and Grammar 159 Argument Structure 162 Thematic Roles 163
Building Phrase Structure Trees 95 The Infinity of Language: Recursive Rules 100 What Heads the Sentence 104 Structural Ambiguities 105 More Structures 107 Transformational Analysis 109 The Structure Dependency of Rules 111	Pragmatics 165 Pronouns and Other Deictic Words 166 Pronouns and Situational Context 167 Pronouns and Linguistic Context 168 Implicature 170 Maxims of Conversation 171 Presupposition 174
UG Principles and Parameters 114	Speech Acts 174
Sign Language Syntax 117 Appendix A 119 Appendix B 121	Summary 175 References for Further Reading 177 Exercises 178
Appendix C 127	
Summary 128 References for Further Reading 129 Exercises 129	Phonetics: The Sounds of Language 189
CHAPTER 4 The Meaning of Language 139	Sound Segments 190 Identity of Speech Sounds 191 The Phonetic Alphabet 192
What Speakers Know about Sentence Meaning 140 Truth 140 Entailment and Related Notions 141 Ambiguity 142	Articulatory Phonetics 194 Consonants 195 Place of Articulation 195 Manner of Articulation 197 Phonetic Symbols for American English Consonants 203
Compositional Semantics 143 Semantic Rules 144 Semantic Rule I 145 Semantic Rule II 146	Vowels 205 Tongue Position 205 Lip Rounding 207 Diphthongs 207
When Compositionality Goes Awry 147 Anomaly 147	Nasalization of Vowels 208 Tense and Lax Vowels 208
Metaphor 149 Idioms 150	Major Phonetic Classes 208 Noncontinuants and Continuants 209

Obstruents and Sonorants 209 Consonantal Sounds 209 Stellabia Sounds 210	Slips of the Tongue: Evidence for Phonological Rules 251			
Syllabic Sounds 210 Prosodic Features 210 Tone and Intonation 211	Prosodic Phonology 252 Syllable Structure 252 Word Stress 253 Sentence and Phrase Stress 254 Intonation 255			
Phonetic Symbols and Spelling Correspondences 213				
The "Phonetics" of Signed Languages 215	Sequential Constraints of Phonemes 256 Lexical Gaps 257			
Summary 216 References for Further Reading 218 Exercises 218	Why Do Phonological Rules Exist? 258 Optimality Theory 259 Phonological Analysis 260			
Exercises 216				
CHAPTER 6 Phonology: The Sound Patterns of Language 224	Summary 264 References for Further Reading 265 Exercises 266			
The Pronunciation of Morphemes 225 The Pronunciation of Plurals 225 Additional Examples of Allomorphs 228	CHAPTER 7 Language in Society 279			
Phonemes: The Phonological Units of Language 230 Illustration of Allophones 230 Phonemes and How to Find Them 232 Complementary Distribution 233 The Need for Similarity 235	Dialects 279 Regional Dialects 281 Phonological Differences 283 Lexical Differences 284 Syntactic Differences 284 Dialect Atlases 285 Social Dialects 287 The "Standard" 288			
Distinctive Features of Phonemes 235 Feature Values 236 Nondistinctive Features 237 Phonemic Patterns May Vary across Languages 238	African American English 291 Latino (Hispanic) English 295 Genderlects 297 Sociolinguistic Analysis 300			
Natural Classes of Speech Sounds 239 Feature Specifications for American English Consonants and Vowels 241	Languages in Contact 301 Lingua Francas 301 Contact Languages: Pidgins and			
The Rules of Phonology 241 Feature-Changing Rules 243 Assimilation Rules 243 Dissimilation Rules 245	Creoles 302 Creoles and Creolization 306 Bilingualism 309 Codeswitching 310			
Segment Insertion and Deletion Rules 247 From One to Many and from Many to	Language and Education 312 Second-Language Teaching Methods 312 Teaching Reading 313			
One 249 The Function of Phonological Rules 250	Literacy in the Deaf Community 315 Bilingual Education 316 Minority Dialects 318			

Styles 319 Slang 319 Jargon and Argot 320 Taboo or Not Taboo? 320 Euphemisms 322 Racial and National Epithets 323 Language and Sexism 323 Marked and Unmarked Forms 324 Secret Languages and Language Games 325 Summary 326	Comparative Reconstruction 365 Historical Evidence 369 Extinct and Endangered Languages 371 The Genetic Classification of Languages 374 Languages of the World 375 Types of Languages 378 Why Do Languages Change? 381 Summary 384 References for Further Reading 385 Exercises 386
References for Further Reading 328 Exercises 329	
	CHAPTER 9
CHAPTER 8	Language Acquisition 394
Language Change: The Syllables of Time 337	The Linguistic Capacity of Children 394 What's Learned, What's Not? 395
The Regularity of Sound Change 338 Sound Correspondences 339 Ancestral Protolanguages 339	Stages in Language Acquisition 398 The Perception and Production of Speech Sounds 398 Babbling 400
Phonological Change 340 Phonological Rules 341 The Great Vowel Shift 342	First Words 401 Segmenting the Speech Stream 402 The Acquisition of Phonology 404
Morphological Change 344	The Acquisition of Word Meaning 406 The Acquisition of Morphology 408
Syntactic Change 345	The Acquisition of Syntax 411
Change in Category 350 Addition of New Words 351 Word Coinage 351 Words from Names 353	The Acquisition of Pragmatics 415 The Development of Auxiliaries: A Case Study 416 Setting Parameters 419 The Acquisition of Signed Languages 420
Blends 354	The Role of the Linguistic Environment:
Reduced Words 355 Borrowings or Loan Words 356 Loss of Words 359	Adult Input 422 The Role of Imitation, Reinforcement,
Semantic Change 360	and Analogy 422 The Role of Structured Input 424
Broadening 361 Narrowing 361 Meaning Shifts 361	Knowing More Than One Language 425 Childhood Bilingualism 426 Theories of Bilingual Development 427
Reconstructing "Dead" Languages 361 The Nineteenth-Century Comparativists 362	Two Monolinguals in One Head 428 The Role of Input 429 Cognitive Effects of Bilingualism 429 Second Language Acquisition 430
Cognates 363	Second Language Acquisition 450

Is L2 Acquisition the Same as L1
Acquisition? 430
Native Language Influence in L2
Acquisition 432
The Creative Component of L2
Acquisition 433
Heritage Language Learners 434
Is There a Critical Period for L2
Acquisition? 434

Summary 436
References for Further Reading 438
Exercises 438

CHAPTER 10

Language Processing and the Human Brain 444

The Human Mind at Work 444

Comprehension 445

The Speech Signal 446

Speech Perception 447

Bottom-up and Top-down

Models 449

Lexical Access and Word

Recognition 451

Syntactic Processing 453

Speech Production 456

Lexical Selection 456

Application and Misapplication

of Rules 458

Planning Units 458

Brain and Language 461 The Human Brain 461 The Localization of Language in the Brain 462 Aphasia 463 Split Brains 470 Dichotic Listening 471 Event-Related Potentials 471 Neural Evidence of Grammatical Phenomena 472 Neurolinguistic Studies of Speech Sounds 472

Neurolinguistic Studies of Sentence Structure 473

Language and Brain Development 474
Left Hemisphere Lateralization for
Language in Young Children 475
Brain Plasticity 476
The Critical Period 476

The Modular Mind: Dissociations of Language and Cognition 479
Linguistic Savants 479
Specific Language Impairment 481
Genetic Basis of Language 482

Summary 482 References for Further Reading 486 Exercises 487

CHAPTER 11

Computer Processing of Human Language 499

Computers That Talk and Listen 495
Computational Phonetics and Phonology 496
Speech Recognition 496
Speech Synthesis 498
Computational Morphology 502
Computational Syntax 503
Computational Semantics 505
Computational Pragmatics 507
Computational Sign Language 508

Applications of Computational Linguistics Computer Models of Grammar 509 Frequency Analysis, Concordances, and Collocations 510 Computational Lexicography 511 The Culturomic Revolution 512 Twitterology 513 Information Retrieval and Summarization 514 Spell Checkers 515 Machine Translation 516 Computational Forensic Linguistics 518 Trademarks 518 Interpreting Legal Terms 519 Speaker Identification 519

Summary 521 References for Further Reading 523 Exercises 523	Consonantal Alphabet Writing 536 Alphabetic Writing 537		
Exercises 929	Writing and Speech 539		
	Spelling 542		
CHAPTER 12	Texting 544 The Current English Spelling System 544		
Writing: The ABCs of Language 527			
The History of Writing 528	Spelling Pronunciations 546		
Pictograms and Ideograms 528	Pseudo-writing 547		
Cuneiform Writing 529 The Rebus Principle 531 From Hieroglyphics to the Alphabet 532	Summary 548 References for Further Reading 549 Exercises 550		
Modern Writing Systems 533 Word Writing 534	Glossary 555		
Syllabic Writing 535	Index 587		

Preface



Well, this bit which I am writing, called Introduction, is really the er-h'r'm of the book, and I have put it in, partly so as not to take you by surprise, and partly because I can't do without it now. There are some very clever writers who say that it is quite easy not to have an er-h'r'm, but I don't agree with them. I think it is much easier not to have all the rest of the book.

A. A. MILNE, Now We Are Six, 1927

The last thing we find in making a book is to know what we must put first.

BLAISE PASCAL (1623–1662)

The tenth edition of *An Introduction to Language* continues in the spirit of our friend, colleague, mentor, and coauthor, Victoria Fromkin. Vicki loved language, and she loved to tell people about it. She found linguistics fun and fascinating, and she wanted every student and every teacher to think so, too. Though this edition has been completely rewritten for improved clarity and currency, we have nevertheless preserved Vicki's lighthearted, personal approach to a complex topic, including witty quotations from noted authors (A. A. Milne was one of Vicki's favorites). We hope we have kept the spirit of Vicki's love for teaching about language alive in the pages of this book.

The first nine editions of *An Introduction to Language* succeeded, with the help of dedicated teachers, in introducing the nature of human language to tens of thousands of students. This is a book that students enjoy and understand and that professors find effective and thorough. Not only have majors in linguistics benefited from the book's easy-to-read yet comprehensive presentation, but also majors in fields as diverse as teaching English as a second language, foreign language studies, general education, the cognitive and neurosciences, psychology, sociology, and anthropology have enjoyed learning about language from this book.

Highlights of This Edition

This edition includes **new developments in linguistics and related fields** that will strengthen its appeal to a wider audience. Much of this information will enable students to gain insight and understanding about linguistic issues

and debates appearing in the national media and will help professors and students stay current with important linguistic research. We hope that it may also dispel certain common misconceptions that people have about language and language use.

Exercises (250) continue to be abundant in this edition, and more research-oriented exercises have been added for those instructors who wish their students to pursue certain topics more deeply. Many of the exercises are multipart, amounting to more than 300 opportunities for "homework" so that instructors can gauge their students' progress. Some exercises are marked as "challenge" questions: they go beyond the scope of what is ordinarily expected in a first course in language study. An **answer key** is available to instructors to assist them in areas outside of their expertise.

Chapter 1, "What Is Language?" continues to be a concise introduction to the general study of language. It contains many "hooks" for engaging students in language study, including "Language and Thought," which takes up the Sapir-Whorf hypotheses; the universal properties of languages including signed languages of the deaf; a consideration of animal "languages"; and the occasional silliness of self-appointed mavens of "good" grammar who beg us not to carelessly split infinitives and who find sentence-ending prepositions an abomination not to be put up with.

Chapter 2, "Morphology: The Words of Language," launches the book into the study of grammar with morphology, the study of word formation, as that is the most familiar aspect of grammar to most students. The subject is treated with clarity and an abundance of simple illustrations from non-English languages to emphasize the universality of word structure including the essentials of derivational versus inflectional morphology, free and bound morphemes, and the hierarchical structure of words.

Chapter 3, "Syntax: The Sentence Patterns of Language," is the most heavily revised chapter of former editions. Once it has introduced the universal and easily understood notions of constituency, syntactic categories (parts of speech), phrase structure trees, structural ambiguity and the infinite scope of language, the chapter delves into the now nearly universally accepted X-bar grammatical patterns for describing the deeper and more subtle syntactic structures of English and other languages. The topic is approached slowly and developed painstakingly so as to inform and not overwhelm. In particular, the current views on binary branching, heads and complements, selection (both C- and S-), and transformational analysis within the X-bar framework are carefully explained and illustrated. Formalisms are held to the bare minimum required to enhance clarity. Non-English examples abound in this chapter as throughout the entire book, and the weighty elements of theory are lightened by the inclusion of insightful examples and explanations, supplemented as always by quotations, poetry, cartoons, and humor.

Chapter 4, "The Meaning of Language," on semantics, has been more finely structured so that the challenging topics of this complex subject can be digested in smaller pieces. Still based on the theme of "What do you know about meaning when you know a language?" the chapter first introduces students to truth-conditional semantics and the principle of compositionality.

Following that are discussions of what happens when compositionality fails, as with idioms, metaphors, and anomalous sentences. Lexical semantics takes up various approaches to word meaning, including the concepts of reference and sense, semantic features, argument structure, and thematic roles. The most dramatic upgrade of this chapter is a newly expanded and modernized section on pragmatics. Here we discuss and illustrate in depth the influence of situational versus linguistic context on the communicative content of utterances, the significance of implicature in comprehension, Grice's Maxims of Conversation, presuppositions, and J. L. Austin's speech acts.

Chapter 5, "Phonetics: The Sounds of Language," retains its former organization and continues to embrace IPA (International Phonetics Association) notation for English in keeping with current practices, with the sole exception of using /r/ in place of the technically correct /I/ when illustrating English. We continue to mention alternative notations that students may encounter in other publications.

Chapter 6, "Phonology: The Sound Patterns of Language," has been streamlined by relegating several complex examples (e.g., metathesis in Hebrew) to the exercises, where instructors can opt to include them if it is thought that students can handle advanced material. The chapter continues to be presented with a greater emphasis on insights through linguistic data accompanied by small amounts of well-explicated formalisms, so that the student can appreciate the need for formal theories without experiencing the burdensome details.

Chapter 7, "Language in Society," has been moved forward in the book from previous editions to emphasize its growing importance as a major subfield of linguistics. Growth in this area of study, even in the few years since the ninth edition, has been astronomical. We have strived heartily to present the established facts and principles of sociolinguistics while bringing up to date subjects such as banned languages (it's still happening); dead and dying languages (also still happening); gender differences; minority dialects such as Hispanic English ("Spanglish"); languages in contact such as pidgins, creoles, and lingua francas that may be found in linguistically heterogeneous areas; the use of computers in sociolinguistic analysis; second language teaching; and bilingual education, among others.

Chapter 8, "Language Change: The Syllables of Time," has been updated with the latest research on language families, language relatedness, and language typology. Also, in response to reviewers' requests, a detailed and more complex illustration of the application of the comparative method to two contemporary dialects to reconstruct their ancestor—often called "internal reconstruction"—is now part of this chapter.

Chapter 9, "Language Acquisition," has been thoroughly restructured and rewritten to enhance clarity since the ninth edition. In addition, much of what has been learned about second language acquisition (adult learning of a foreign language) has been folded into this chapter along with an entirely new section on "heritage languages," the learning of an intrafamily language after immigration to a country where that language is not spoken (e.g., Yiddish by Jews who emigrated from Russia).

Chapter 10, "Language Processing and the Human Brain," could well have been entitled "psycholinguistics and neurolinguistics" but that may have made the subject seem overly daunting. This chapter combines a straightforward discussion of many of the issues that regard the psychology of language—what the mind does—with the neurology of language—what the brain does—during language usage. Dramatic changes in the understanding of the brain's role in language processing are occurring virtually every day owing to the rapid enhancement of the ability of neurolinguists to measure brain activity to tiny degrees of sensitivity at extremely precise locations. This chapter reports on those techniques and some of the results regarding language and the brain that ensue. The psycholinguistic portion of this chapter appeared as the first half of chapter 9 in the ninth edition; the second and greater portion of this chapter is an enlargement and updating of chapter 2 from the ninth and previous editions.

Chapter 11, "Computer Processing of Human Language," is an expansion into a full chapter of what was the second half of chapter 9 in the ninth edition. The fundamentals of computational linguistics are still covered and have been clarified and expanded, but the force driving the promotion of the subject into a chapter of its own is the astonishing progress in the application of computers to human languages, which has burgeoned to a degree hardly imaginable even as we wrote previous editions. Anchoring the extensive new material in this chapter is the introduction of the Culturomic Revolution in the computer processing of language, in which computers have analyzed billions (with a b) of lines of text with results that will astonish even the most blasé readers. Culturomics, which is concerned with published, written texts, is soon to be augmented by "twitterology," a study of "on-the-fly" language usage by billions of people (i.e., "twitterers") in thousands of languages, only beginning to be linguistically analyzed as the this edition goes to press. But those who wish to keep abreast of the power of computers applied to language will find this chapter indispensable.

Chapter 12, "Writing: The ABCs of Language," has undergone a mild rewriting to further improve clarity. Texting and twittering, while largely unstudied by linguists, are included in a new section adding a further dimension to what it means to write a language.

Terms that appear bold in the text are defined in the revised **glossary** at the end of the book. The glossary has been expanded and improved so that the tenth edition provides students with a linguistic lexicon of nearly 700 terms, making the book a worthy reference volume.

The **order of presentation of chapters 2 through 6** was once thought to be nontraditional. Our experience, backed by previous editions of the book and the recommendations of colleagues throughout the world, has convinced us that it is easier for the novice to approach the structural aspects of language by first looking at morphology (the structure of the most familiar linguistic unit, the word). This is followed by syntax (the structure of sentences), which is also familiar to many students, as are numerous semantic concepts. We then proceed to the more novel (to students) phonetics and phonology, which students often find daunting. However, the book is written so that individual instructors can present material in the traditional order of phonetics,

phonology, morphology, syntax, and semantics (chapters 5, 6, 2, 3, and 4) without confusion, if they wish.

As in previous editions, the primary concern has been basic ideas rather than detailed expositions. This book assumes no previous knowledge on the part of the reader. An updated list of references at the end of each chapter is included to accommodate any reader who wishes to pursue a subject in more depth. Each chapter concludes with a summary and exercises to enhance the students' interest in and comprehension of the textual material.

Additional Resources

Linguistics CourseMate. An Introduction to Language includes Linguistics CourseMate, which helps students gain a deeper and more comprehensive understanding of the textual material.

Linguistics CourseMate includes:

- · an interactive eBook, with highlighting, note taking and search capabilities
- interactive learning tools including:
 - Quizzes
 - Flashcards
 - · Audio files
 - · Web Links
 - and more!

Go to www.cengagebrain.com to access these resources, and look for this icon 🖸 to find resources related to your text in Linguistics CourseMate.

Answer Key. The Answer Key for *An Introduction to Language* contains answers to all of the exercises in the core text, and is available to instructors through the publisher.

Instructor Companion Web Site. This password-protected companion site contains useful resources for instructors—including chapter-level PowerPoint lecture slides, and a downloadable version of the Answer Key. Go to www. cengagebrain.com to access the site.

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Byron Ahn	University of California, Los Angeles	Syntax
Susia Curtiss	University of California, Los Angeles	Neurolinguistics
Kyle Johnson	University of Massachusetts, Amherst	Syntax
Craig Melchert	University of California, Los Angeles	Historical linguistics
Robyn Orfitelli	University of California, Los Angeles	Language acquisition
Maria "Masha" Polinsky	Harvard University	Heritage languages
Jessica Rett	University of California, Los Angeles	Semantics
Erik Thomas	North Carolina State University	Sociolinguistics
Kie Zuraw	University of California, Los Angeles	Phonology

Brook Danielle Lillehaugen undertook the daunting task of writing the Answer Key to the ninth and tenth editions. Her thoroughness, accuracy, and insightfulness in construing solutions to problems and discussions of issues are appreciated by all who avail themselves of this useful document, including us, the authors.

We also express deep appreciation for the incisive comments of six reviewers of the ninth edition, known to us as R2 through R7, whose frank assessment of the work, both critical and laudatory, heavily influenced this new edition:

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¹Some affiliations may have changed or are unknown to us at this time.

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Please forgive us if we have inadvertently omitted any names, and if we have spelled every name correctly, then we shall believe in miracles.

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Language Acquisition and the Theory of Parameters (D. Reidel Publishers, 1986), a milestone in language acquisition research. She has also published numerous articles on the development of syntax, morphology, and semantics in children. She has been a visiting scholar at the University of Utrecht and the University of Leiden in the Netherlands and has given numerous lectures throughout Europe and Japan. Nina lives in Los Angeles with her pal Spot, a rescued border collie mutt and his olde English bulldogge companion, the ever soulful Nellie.



What Is Language?

When we study human language, we are approaching what some might call the "human essence," the distinctive qualities of mind that are, so far as we know, unique to man.

NOAM CHOMSKY, Language and Mind, 1968

Whatever else people do when they come together—whether they play, fight, make love, or make automobiles—they talk. We live in a world of language. We talk to our friends, our associates, our wives and husbands, our lovers, our teachers, our parents, our rivals, and even our enemies. We talk face-to-face and over all manner of electronic media, and everyone responds with more talk. Hardly a moment of our waking lives is free from words, and even in our dreams we talk and are talked to. We also talk when there is no one to answer. Some of us talk aloud in our sleep. We talk to our pets and sometimes to ourselves.

The possession of language, perhaps more than any other attribute, distinguishes humans from other animals. According to the philosophy expressed in the myths and religions of many peoples, language is the source of human life and power. To some people of Africa, a newborn child is a *kintu*, a "thing," not yet a *muntu*, a "person." It is only by the act of learning language that the child becomes a human being. To understand our humanity, we must understand the nature of language that makes us human. That is the goal of this book. We begin with a simple question: what does it mean to "know" a language?

Linguistic Knowledge

Do we know only what we see, or do we see what we somehow already know? CYNTHIA OZICK, "What Helen Keller Saw," *New Yorker*, June 16 & 23, 2003