SUCOOQUI John W. Santrock



S I X T H E D I T I O N

JOHN W. Santrock UNIVERSITY OF TEXAS AT DALLAS



SIXTH EDITION



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McGraw-Hill Higher Education 22

A Division of The McGraw-Hill Companies

PSYCHOLOGY, SIXTH EDITION

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This book is printed on recycled, acid-free paper containing 10% postconsumer waste.

234567890 QPH/QPH 09876543210

ISBN 0-07-039469-5

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Typeface: 10.5/12 Minion

Printer: Quebecor Printing Book Group/Hawkins, TN

Freelance cover designer: Maureen McCutcheon
Freelance Interior designer: Diane Beasley
Photo research: Burrston House and LouAnn K. Wilson
Cover images: (left) "Sweet Pink" by Wassily Kandinsky (1866–1944), Sotheby's London/SuperStock;
(center) "Female of the Species" by John W. Santrock; (right) Erich Lessing/Art Resource, NY, Klimt
Gustav (1862–1918). The Kiss. 1907–1908. Oesterreichische Galerie, Vienna, Austria

The credits section for this book begins on page C-1 and is considered an extension of the copyright page.

Library of Congress Cataloging-in-Publication Data

Santrock, John W.
Psychology / John W. Santrock.—6thed.
p. cm.
Includes bibliographical references and indexes.
ISBN 0-07-039469-5
1. Psychology. I. Title.
BF121.S265 2000
150—dc21

99–25380 CIP

INTERNATIONAL EDITION ISBN 0-07-116944-X

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About the Author

John W. Santrock

John Santrock received his Ph.D. from the
University of Minnesota in 1973. He taught at the
University of Charleston and the University of
Georgia before joining the psychology department at
the University of Texas at Dallas. He was recently a
member of the editorial board of *Developmental*Psychology. His research on father custody is widely
cited and used in expert witness testimony to
promote flexibility and alternative considerations in
custody disputes. John has also authored these
exceptional McGraw-Hill texts: Child Development,
Eighth Edition, Life-Span Development, Seventh
Edition, Children, Fifth Edition, and Adolescence,
Seventh Edition. He is co-author, with Jane Halonen,
of Psychology, the Contexts of Behavior, Third Edition.



John Santrock has been teaching introductory psychology since the 1960s and continues to teach a range of undergraduate psychology courses.

Preface

I have taught introductory psychology since 1967. Over the past four decades, my motivation and love for imparting psychology as a relevant science—one that is empirically sound yet meaningful for people's lives—has not wavered. Even when I first began teaching introductory psychology, I supplemented the text I used by having students read about such relevant topics as Erikson's theory of human development, case studies in abnormal psychology, and topics in applied psychology. In no other discipline (I am admittedly biased) will you find so many opportunities to better understand yourself and the people around you than in the discipline of psychology. This belief not only has been a foundation of my teaching introductory psychology for four decades, but also is the heart of this book.

New Or Revised?

When an introductory textbook reaches its sixth edition, it typically generates two reactions from instructors. The first is that instructors believe the book must be successful to have lasted this long in such a highly competitive and, most would say, overpublished market. Second, most instructors believe they already are sufficiently aware of the book's content and approach, because they have either used or evaluated a previous edition.

We acknowledge the accuracy of the first impression—over 300,000 students have used previous editions. However to the instructors who have the second frame of mind regarding the sixth edition, we optimistically challenge them to put it to the test. Why? With a new theme based on extensive marketing research, the inclusion of many new topics, the deletion of others, a new illustration program, new learning and study aids, new design, and line-by-line revision of existing material, we are confident that this edition more closely resembles a new rather than a revised edition. You will find more than 400 new citations from 1998–2000 along. The closer you look, the more confident we are that you will be surprised and impressed by the changes.

What Did We Learn?

What do most instructors and students really want from an introductory psychology text? In preparation for this revision, the author and the publisher were determined to obtain a concrete answer to this question. To accomplish this, the publisher solicited and received, through reviews and focus groups, more feedback from instructors and students than for all of the previous editions combined.

What did we learn? At the top of both instructors' and students' lists was their desire for a text that presents psychology as a *relevant science*. In our research, the majority of students gave their texts low grades for relevance and many believed their

courses failed to satisfy the goals they had in taking it. When asked to say how the subject matter could be presented in more relevant terms, students most commonly replied that the author must succeed in relating it to their own lives and experiences. Our panel of instructors agreed that the principal goal of the course is to present psychology as a science that students understand from an applied and personal perspective.

Psychology: The Relevant Science

As many instructors (and authors) know, it is quite a challenge to perceive what is needed to fulfill students' expectations, and then to fulfill them. How can we ensure that every page of a textbook has relevance? As we revise each sentence and each feature in the book, we must constantly ask ourselves: Why is this important? Is this a meaningful issue for today's students?

Psychology, sixth edition, has been infused with content, exercises, and resources that focus on psychology as a relevant science. The discipline of psychology is ideally suited to address some of the most important aspects of our lives. We don't have the answers to all of life's questions, but psychology can tell us much about matters like these:

- · How our biological heritage affects our behavior
- How, and to what extent, our environmental experiences can change our lives
- How we perceive, remember, solve problems, and can become more creative
- How the social worlds of people and relationships affect the way we behave
- How the culture we live in influences us
- · How we are similar to and different from others
- How science can provide us with more objective information about many aspects of life
- How to draw on conceptually diverse ideas in thinking about problems and issues
- How to understand controversies about mind and behavior
- How to think critically about many aspects of mind and behavior

The above ten areas are featured in a new section in Chapter 1 called "Psychology and Life: What Matters." They also are woven through the remainder of the text where appropriate. In addition, as you will see shortly, some of the book's main features emphasize psychology's relevance.

Every chapter of the book includes these "Psychology of Life"

Images of Psychology and Life

This section appears at the beginning of each chapter and introduces students to some aspect of the chapter in an

interesting way. Examples of topics include: "Why Youth Kill" (chapter 1), "The Human Versus Big Blue, Cog, and CYC" (chapter 8), and "Showering Seven Times a Day, Looking at a Bleak Future, and Avoiding Breathing on People" (chapter 13).

Explorations in Psychology

These boxes, seamlessly interwoven with the text, provide an expanded look at many fascinating ideas and issues related to the content at that particular point in the chapter. Examples of topics include: "From Horoscopes to the Sex Lives of Tigers" (chapter 1), "The Brains of the Mankato Nuns" (chapter 3), and "Using Optimistic Thinking to Go from Sausage Stuffer to Optimistic Supersalesman" (chapter 15).

Thinking About Psychology and Life

These boxes appear several times in each chapter and encourage students to think critically or evaluate themselves in regard to content in that part of the chapter. Examples of topics include: "Nature, Nurture, and Politics" (chapter 3), "Evaluating Your Creative Thinking" (chapter 9), and "Are You Introverted or Extroverted?" (chapter 12).

Resources for Psychology and Life

This section appears at the end of each chapter and lists books, agencies, phone numbers, research journals, and psychological organizations. These extensive resources enlarge the scope of the chapter to help students learn more about research and practical matters in psychology and life.

Development

As we have emphasized, the content of *Psychology*, sixth edition, was extensively overhauled and fine-tuned. Two types of consultants went over every sentence and section with a fine-tooth comb, making countless recommendations for what to add, subtract, revise, update, and rephrase.

Expert Research Consultants. A number of leading research experts in psychology evaluated individual chapters in their areas of expertise. Their detailed recommendations significantly improved the currency and accuracy of the text's research content.

Expert Teaching Consultants. As previously mentioned, the sixth edition of *Psychology* underwent a more thorough review by individuals who teach introductory psychology than all of its first five editions combined. Their overall "big picture" view and detailed, line-by-line comments about what should go into an introductory psychology text and how it should be said have substantially reshaped this book in very positive ways.

Student Reviews and Focus Groups

For the first time in a formal context, we involved students in almost every facet of this revision. After all, they are the ultimate consumers of its content, and based on what we learned and the changes and improvements that were made as a result, we only wish we had obtained more of their input on earlier editions.

In addition to their part in determining the "relevance" theme for this edition, they told us (in focus groups) what elements worked and did not work for them in the various texts they used. They reacted to and advised us regarding several ideas we had developed for new substantive as well as pedagogical features. They critiqued the illustration program and gave numerous suggestions that helped guide the new format and design you see featured in this edition. All in all, their preferences are evident throughout the book.

"I really enjoy the layout of the book. I think the design, graphics are the most appealing part of this book. They make it interesting and they make it easier to turn the page."

"This is definitely a student friendly book, and it is not too intimidating, so it's accessible. I think [Explorations in Psychology] is a very interesting section in the book. It is aesthetically pleasing, it adds a little bit of more interesting info among pages of technical info. It offers more ease of reading."

Heather Shafer, Student

"Pretty student friendly and accessible. It's an attractive, inviting book. [Through the Eyes of a Psychologist] . . . is aesthetically pleasing, with good interesting quotes."

Srin Chakravorty, Student

- "I like how the author is writing on a personal level. It's easy to read... [the text is]... well laid out, easy for eyes to move through the book, adds to the overall effect quite positively...."

 Kelly Murphy, Student
- "[The text is] very easy to comprehend. It is coherent...box titles are very attention-grabbing...good explanations. [The design] is the best part. The art is really cool, attention getting and visually appealing."

Erica Mezi, Student

Fewer Chapters

The standard text for the fifth edition had 17 chapters. Because most instructors continue to ask for less encyclopedic texts, we reduced the number of basic chapter to 16 by combining the two social psychology chapters into one. However, based on extensive reviewing we are confident that you will find the combined social psychology chapter complete without being encyclopedic.

We have significantly updated and improved the content in *Psychology*, sixth edition. Much of this updating and improvement is based on input from the research and teaching experts. Following is a chapter-by-chapter overview of the new content in *Psychology*, sixth edition:

CHAPTER 1 What Is Psychology?

Images of Psychology and Life: Why Youth Kill
Psychology's Beginnings: Merging Ideas from Philosophy
and the Natural Sciences
Revision of Wundt's, Titchener's, and James' ideas
Updating of Bandura's social cognitive theory
Updating of the behavioral neuroscience approach

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Expansion and updating of the evolutionary psychology approach

An eclectic approach

Thinking About Psychology and Life: Saddam Hussein and Mother Teresa

Extensive new section: Psychology and Life: What Matters

Explorations in Psychology: From Horoscopes

to the Sex Lives of Tigers

Expanded and updated coverage of careers in psychology

Some job possibilities for students with an

undergraduate degree in psychology

Thinking About Psychology and Life: Which Areas of Psychology Interest You the Most?

"I give this chapter an overall rating of A because I find it well organized with clear writing and good coverage. The principle strength is its copious and effective use of examples to illustrate the various approaches to psychology. They make the different schools much more meaningful."

> -Gary D. Laver, California Polytechnic State University-San Luis Obispo

CHAPTER 2 Psychology's Scientific Methods

New section: Exploring the Science of Psychology Thinking About Psychology and Life: Participating in Psychological Experiments on the Internet Substantial revision of the discussion of the scientific method

with Bandura's classic research on observational learning and aggression as a theme

Operational definition

Who Will the Participants Be?

Extensive revision and updating of research methods with examples of aggression research carried through as a common theme

Recent research on physiological underpinnings of spousal abuse

Experimental Research Cautions: Experimenter Bias and Research Participant Bias

Thinking About Psychology and Life: No Magic Bullet Multiple Research Methods

Thinking About Psychology and Life: Isn't Everyone a Psychologist?

Revision and updating of ethics guidelines

Revision of Explorations in Psychology box:

Psychology and Values

Revision and updating of the research challenges involved in gender, culture, and ethnicity

Reading and Understanding Research Journals

"The coverage is . . . good and the writing is clear. Students should have no trouble understanding this chapter . . . the theme that science is not defined by what it studies but how it studies is a good one."

> -Keith Stanovich University of Toronto

CHAPTER 3 Biological Foundations and Neuroscience

New chapter title that includes neuroscience

Dynamic photographs and drawings of the brain's structures Genotype and phenotype

The Human Genome Project

The new view of heredity-environment interaction

Thinking About Psychology and Life:

Nature, Nurture, and Politics

New section: The Field of Neuroscience

Updated and expanded discussion of neurotransmitters

Agonists and antagonists

Brandi Binder's case, which provides evidence

of hemispheric flexibility

Thinking About Psychology and Life:

Your Brain and Your Behavior

"On balance, I feel that the chapter is very superior . . . Organizationally, it is very strong The coverage of the nervous system strikes me as excellent. Extremely sound decisions seem to have been made initially about what to include and what to modify."

> -James Johnson llinois State University

CHAPTER 4 Sensation and Perception

Dynamic drawings and photographs

Psychophysics

Revised discussion of absolute thresholds

Revised discussion of signal direction theory

Updated coverage of feature detectors

Comparison of trichromatic and opponent-process theories

Different types of pain receptors

Thinking About Psychology and Life: Counting Aces of Spades The Stroop Effect

Thinking About Psychology and Life: Examining Art for Perceptual Cues and Organization

Attention

Approaches to perception including comparison of information-processing and ecological theories

Thinking About Psychology and Life: Inventing a Video Game

"I thoroughly enjoyed reading this chapter. I give it an A+. I really like the combination of sensation and perception in a single chapter and this chapter is wonderfully written. It has an active and exciting voice that will easily hold the interest of students."

> -Linda Kline California State University-Chico

CHAPTER 5 States of Consciousness

The range of sleep in animals

Circadian rhythms and shiftworkers

Revised and expanded discussion of sleep deprivation and needs Thinking About Psychology and Life:

Do You Get Enough Sleep?

Sleep across the human life span

Expanded discussion of sleep disorders including strategies for reducing insomnia Revised discussion of interpretation of dreams Do males and females dream about different things? Thinking About Psychology and Life: Lucid Dreaming Revised discussion of theories of hypnosis Updated coverage of trends in drug use The hazards of binge drinking in college Thinking About Psychology and Life: Do You Abuse Drugs? Caffeine

Expanded coverage of alcoholism and prevention/treatment of drug abuse

"This is a very well-written overview of consciousness. I especially enjoyed the bits of history sprinkled throughout the chapter. I found the charts displaying information on the frequency of REM and NREM sleep, binge drinker, and psychoactive drugs, among others, to be excellent."

> -Linda Kline California State University-Chico

CHAPTER 6 Learning

Diagram of Pavlov's classical conditioning Contingency in classical conditioning Thinking About Psychology and Life: Classical Conditioning and Calvin Klein Jean Ads Ethics of conditioning a phobia in Little Albert Associative learning including figure that compares associative learning aspects of classical and operant conditioning

Diagrams that compare positive reinforcement and negative reinforcement

Revised and expanded coverage of punishment, including positive and negative punishment

Figure that compares positive reinforcement, negative reinforcement, positive punishment, and negative punishment

Recent research on spanking and antisocial behavior Thinking About Psychology and Life: Models and Mentors in My Life

"The overall rating for this chapter is an "A" (Excellent). It is well written and the concepts are clearly defined and described. In particular, Santrock did an excellent job differentiating between positive and negative reinforcement and negative reinforcement and punishment. The latter distinction is particularly important as students often confuse those two concepts."

> -David Penn Louisiana State University

CHAPTER 7 Memory

Substantial overhaul of chapter organization with this new sequence: The Nature of Memory, Memory Encoding, Memory Storage, Memory Retrieval and Forgetting, and Memory and Study Strategies

Exploring memory with an emphasis on Daniel Schacter's ideas on the remarkable capabilities of memory as well as its imperfections

Dynamic diagrams of memory processes

Thinking About Psychology and Life: Evaluating People's Memories in the Courtroom Explorations in Psychology: Cognitive Neuroscience: Watching Brain Activity During Memory Encoding

Remembering faces: Ted Kaczynski

Thinking About Psychology and Life: Generating Retrieval Cues

Revised discussion of priming

The three-level hierarchical structure of autobiographical memory

New main section: Emotional Memories

Memory and personal trauma

Revised and updated discussion of repressed memories

Significantly revised and expanded coverage

of memory and study strategies

Thinking About Psychology and Life:

Memory and Study Strategies

"This chapter's strength is the breadth of the material covered. The author covers both classic memory research and areas of memory research that are currently in vogue in the field. I was unable to identify any substantial area of memory research that the author had neglected to address. Given the breadth and quantity of material on memory, this is an outstanding accomplishment."

> -Cynthia Sifonis University of Illinois

CHAPTER 8 Thinking and Language

Images of Psychology: The Human Versus Big Blue, Cog, and CYC

New sequential organization of thinking: What Is Thinking?; Forming Concepts; Solving Problems; Thinking Critically, Reasoning, and Making Decisions

The concept of schools of art

Revised discussion of finding and framing problems New section on obstacles to solving problems that focuses on

becoming fixated and lacking motivation and persistence

Thinking About Psychology and Life: The Candle,

Nine-Dot, and Six-Matchstick Problems

Revised and updated discussion of critical thinking

Thinking About Psychology and Life:

Seeking Multiple Explanations

Ellen Langer's ideas about mindless behavior

Confirmation bias

Belief perserverence

Overconfidence bias

Hindsight bias

Research on language environments of children in poverty Explorations in Psychology: How to Talk with Babies and Toddlers

Revision and updating of bilingual education

"Santrock has his writing style going for him. I thought the descriptions were clear and accessible to any but the most illprepared undergraduate . . . there are some things about the book that are very attractive. What is here is well-balanced."

Eastern Illinois University

CHAPTER 9 Intelligence

Images of Psychology: Being Creative in "X"

Reorganization with the construction/evaluation of intelligence tests now discussed early in the chapter

Links between reliability and validity

Thinking About Psychology and Life: Should Parents

Be Testing Their Own Child's IQ?

Explorations in Psychology: Project Spectrum

Thinking About Psychology and Life:

Evaluating Your Multiple Intelligences

Sternberg's triarchic intelligence and schools

Evaluating the multiple intelligences approach

Explorations in Psychology: The Repository

for Germinal Choice

Thinking About Psychology and Life:

Can Intelligence Be Increased?

Extensive revision and expansion of discussion of creativity

Thinking About Psychology and Life:

Evaluating Your Creative Thinking

"I found the Intelligence chapter of this text informative, wellbalanced, and up-to-date. It was also fun to read. . . . Particularly praiseworthy are the historical reviews. The social relevance of the topic is addressed quite well."

> -Mihalvi Csiksentmihalvi University of Chicago

CHAPTER 10 Human Development

Sequential reorganization of chapter so that major theories, such as Piaget's and Erikson's, are now presented intact rather than in separate locations

Discussion of gender removed and placed in Chapter 16, "Social Psychology"

Images of Psychology: Jessica Dubroff, Child Pilot

Thinking About Psychology and Life: Is There a Best Age to Be?

Early-later experience issue

Conclusions about developmental issues

New research on smoking mothers

Balanced evaluation of Piaget's Theory

Evaluation of Erikson's Theory

Temperament

Explorations in Psychology: Child Care in the United States

The mother's and father's roles

Why do people want to have children?

Revised discussion of Kohlberg's theory

Thinking About Psychology and Life:

How Long Would You Like to Live?

Contemporary discussion of estrogen replacement therapy Revised and expanded coverage of biological theories of aging Alzheimer's disease

Revised and updated coverage of cognition and aging

Skills that employers want job candidates to have

McArthur (1999) study of midlife development

Successful aging

Thinking About Psychology and Life:

Exploring Personal Life Investment

"This chapter was wonderful. Santrock presents the information in a relaxed, straightforward manner that makes readability and comprehension almost guaranteed!"

> -Susan Amato **Boise State University**

CHAPTER 11 Motivation and Emotion

Images of Psychology: Terry Fox's Marathon Run

Reorganization of some ideas about the "whys" of behavior

Revised discussion of drive reduction theory

Thinking About Psychology and Life:

Are You a Sensation Seeker?

Revised and updated discussion of obesity

Moved discussion of dieting to this chapter

from health psychology chapter

Moved discussion of anorexia nervosa and bulimia

to this chapter from health psychology chapter

Pheromones and aphrodisiacs

Viagra

Explorations in Psychology: America's Sexual Landscape and Its Myths

Goal-setting, planning, and monitoring

Thinking About Psychology and Life:

How Goal-Directed Are You?

Explorations in Psychology: Comparing Math Achievement in Asian and American Cultures

Reorganization of discussion of emotions. New sequence:

Defining Emotion; Biological Dimensions; Cognitive Dimensions; Behavioral Dimensions; Sociocultural

Dimensions; and Classifying Emotions

Expanded discussion of the autonomic nervous system

New section on neural circuits and neurotransmitters

More dynamic diagrams of emotion topics The Facial Feedback Hypothesis

Thinking About Psychology and Life: Pursuing the Good Life

"This chapter is well written and clear. Transitions between topics are smooth and there are numerous links to outside topics, such as other chapters in the book. The summary tables, photos, and figures are all very good. Another strength is the implicit theme of normal range versus pathology."

> -Valerie Ahl University of Wisconsin

CHAPTER 12 Personality

New summary figure on defense mechanisms

Thinking About Psychology and Life: Your Defense Mechanisms

Change of social learning theory to more

contemporary social cognitive theory

Thinking About Psychology and Life:

Evaluating Who's Among the Self-Actualized

Self-esteem research

Revision of Allport's view of traits

Thinking About Psychology and Life:

Are You Introverted or Extraverted?

New figure on the Big Five factors of personality

Research on the Big Five factors

Updated research on the MMPI-2

"The content covered in this chapter is very appropriate for a survey class. Overall, an excellent presentation of these very complex topics. . . . this chapter is quite 'perfect'."

Jutta Street
 Wake Technical Community
 College

CHAPTER 13 Abnormal Psychology

Restructured chapter headings and subheadings
Images of Psychology: Showering Seven Times a Day, Looking
at a Bleak Future, and Avoiding Breathing on People
Revised discussion of defining abnormal behavior
and improved examples
Some myths and misconceptions about abnormal behavior

Some myths and misconceptions about abnormal behavior Legal aspects of mental disorders moved to earlier in chapter with expanded, revised content

Explorations in Psychology: Jack Ruby, Sirhan Sirhan, Jeffrey Dahmer, Ed Gein, John Hinkley, and Lorena Bobbitt

Figure 13.4: Some Prominent Categories of Mental Disorders in *DSM-IV*

Revised and updated discussion of panic disorder and agoraphobia

Social phobia

John Madden and Jack Nicholson

Dissociative identity disorder

Thinking About Psychology and Life:

Evaluating Whether You Are Depressed

More on manic episodes

Explorations in Psychology: Suicide

Russell Weston, Jr., and schizophrenia

Revised discussion of personality disorders with expanded description of clusters

"My overall impressions of this chapter are quite favorable. Santrock makes very good use of clinical case material which serves to catch the student's attention and highlights the issues being discussed . . . the research is current and accurately summarized."

> Richard P. Halgin
> University of Massachusetts-Amherst

CHAPTER 14 Therapies

New, less complex organization

Images of Psychology: Should I End My Life Today?

Revised and updated discussion of mental hospitals

and deinstitutionalization

Recent developments, including managed care

Licensing and certification

Connections with personality theories

More case study examples

Figure 14.5: Overview of Main Psychotherapy Approaches

Revised discussion of person-centered therapy,

including new therapist-client exchange

Figure 14.9: Classical Conditioning: The Backbone

of Aversive Conditioning

Revised and expanded discussion of Beck's cognitive therapy Comparison of Ellis' and Beck's therapies Revised, updated discussion of self-help support groups Thinking About Psychology and Life: Designing a Study to Evaluate the Effectiveness of Psychotherapy Revised, expanded, updated discussion of research on the effectiveness of psychotherapy

Thinking About Psychology and Life:

Evaluating Whether to Seek Psychotherapy

Revised, updated discussion of gender/ethnicity and therapy

Updated, revised discussion of drug therapy

Figure 14.12: Drug Therapy for Mental Disorders Revised, expanded Figure 14.13: Therapy Comparisons

New final section for chapter: Therapy Integrations

"This chapter is very good. Santrock has done a very nice job of covering the major therapies and incorporating pedagogical tools that will engage students and help them understand the wealth of material. I would give the chapter an overall qualitative rating of A."

 Richard P. Halgin
 University of Massachusetts-Amherst

CHAPTER 15 Health Psychology

Reorganization of chapter with stress and coping now coming prior to promoting health

Revised, updated, expanded introduction

to the scope of health psychology

Two biological pathways to stress

Updated, revised discussion of psychoneuroimmunology including recent research

Revised discussion of Lazarus' ideas on stress

Thinking About Psychology and Life:

Evaluating Life Events in Your Life

Explorations in Psychology: Poverty, Stress, and Violence:

The Lives of Lafayette and Pharaoh

Thinking About Psychology and Life: Opening Up

Explorations in Psychology: Using Optimistic Thinking to

Go from Sausage Stuffer to Optimistic Supersalesman Recent research on social support and coping with stress

Updated, revised discussion of assertive behavior

Thinking About Psychology and Life: Dealing with Conflict

Thinking About Psychology and Life: Coping with Failure

Revised discussion of proper nutrition

Updated and expanded discussion of not smoking

Sound Sexual Decision Making (new section for this edition)

Thinking About Psychology and Life:

Sexual Myths and Realities

"I was very impressed with all the current research and writings cited in this chapter. Many of the citations had 1998 and 1999 after them. I appreciate the thorough literature searches that you have made for the book."

-Michael Zickar Bowling Green State University

CHAPTER 16 Social Psychology

This edition has an integrated single chapter on social psychology (the fifth edition had two separate chapters)

Images of Psychology and Life: The Reverend James Jones' Dark Side with David Koresh and Marshall Herff Applewhite Substantial reorganization of chapter. Attribution now is the first main topic discussed

Expanded, updated coverage of attribution

Self-serving bias

Revised and updated discussion of attitudes and behavior Social influence is now a major heading with subheadings of Conformity and Obedience, Group Influence, and Cultural and Ethnic Influences

Normative social influence and informational social influence Revised, updated discussion of groupthink

Revised discussion of cultural/ethnic influences

Thinking About Psychology and Life:

Prejudice and Reconstructive Memory

Thinking About Psychology and Life: Seeking Common Ground New section on aggression

Gender now discussed at appropriate places in this chapter rather than in Chapter 10, "Human Development."

Updated discussion of freshman life goals

Thinking About Psychology and Life:

The Type of Love You Have

Strategies for overcoming loneliness

Ellen Berscheid's (1999) ideas about environmental demands and close relationships

"This chapter was well-done in practically all aspects. It is interesting, well-written, and contains a nice blending of classic and contemporary scholarship. The author uses examples, illustrations, cartoons, photographs, and the like in a persuasive, didactic way. The chapter also reflects a high degree of care and wisdom (such as the thoughtful discussion of Milgram's work, including more recent ethical concerns). As compared to the relevant material in leading social psychology texts, the coverage and writing in Santrock's social psychology chapter are outstanding."

John Harvey
 University of Iowa

Optional Chapters

In addition to the main 16 chapters that are standard in many introductory psychology texts, the optional bundle for *Psychology*, sixth edition, consists of four chapters that can be packaged with the main book:

Evolution and Heredity Gender and Sexuality Applied Psychology The Psychology of Religion

These four chapters were chosen by instructors as the most popular ones to add to a standard introductory psychology text. Each chapter is accompanied by a full Web-based ancillary

package including Student Study Guide, Instructor's Manual, Test Bank, and AIE resources.

CHAPTER 17 Evolution and Heredity

More streamlined and easier to read discussion of evolution Thinking About Psychology and Life:

The "Nobel Prize Sperm Bank"

New research on sperm sorting for selection

of the offspring's sex

Expanded and updated coverage of genetic counseling Incorporated material on identical twins reared apart into body of text

Contemporary section on conclusions about heredity-environment interaction

Thinking About Psychology and Life: Nature, Nurture, and Politics

"Santrock's evolution and heredity chapter is thorough and wellorganized. Terms are clearly defined and wonderful photographs represent human diversity. I give it a rating of excellent."

-Eastern Maine Technological College

CHAPTER 18 Gender and Sexuality

Improved discussion and definitions of estrogens and androgens New coverage of evolutionary psychology view of gender New discussion of social roles view of gender

Thinking About Psychology and Life: Rethinking the Words We Use in Gender Worlds

New section on gender in contexts

Extensively revised and updated discussion of men's issues

Expanded coverage of the human sexual response pattern New material on Viagra

Expanded discussion of heterosexual attitudes and behavior Revised and updated coverage of forcible

sexual behavior and harassment

New section on sound sexual decision making

Thinking About Psychology and Life:

Sexual Myths and Realities

New discussion of strategies for protecting against AIDS and other sexually transmitted diseases

"I am extremely satisfied with the focus of Santrock's gender and sexuality chapter. Why? Because one of the courses I teach here is Human Sexuality. Santrock's gender and sexuality chapter provides an excellent introduction to the fascinating topic of human sexuality and does it with tact. My students love this gender and sexuality chapter. The gender and sexuality coverage projects well into the 21st century."

-Kirtland Community College

CHAPTER 19 Applied Psychology

This is virtually a completely new chapter for the sixth edition of *Psychology*Thinking About Psychology and Life:

Knock 'Em Dead in an Interview

New discussion of research on the Big Five factors and predicting job success

New section on leadership in the world of work Human factors psychology no longer is discussed under I/O psychology but now has its own section

New research on human factors by the FAA

New research on human factors involved in touch

New description of environmental psychologist

Roberta Feldman and her work

Thinking About Psychology and Life: Analyzing the Built Environment in Which You Live New main section: Forensic Psychology

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Explorations in Psychology: Psychological Profiling New main section: Sport Psychology New main section: Educational Psychology

Explorations in Psychology and Life: Schools for Thought

Santrock did a nice job of providing a broad overview of these exciting new fields in psychology. The chapter should be very interesting to a wide variety of students, psychology major and nonmajor alike."

-Earlham College

CHAPTER 20 The Psychology of Religion

Includes recent survey on religious interest in America New discussion of controversy involving what religion is and what spirituality is

Thinking About Psychology and Life: Spiritual Well-Being New discussion of positive and negative aspects of religion

Deletion of section on fundamentalism and right-winged authoritarianism

New section on religion and physical health

Much expanded and updated coverage

of religion and mental health

Recent research on religious coping styles

Recent research on religion and sexuality

Recent research on gender and religion

Recent research on religiousness and generosity toward the poor

Thinking About Psychology and Life:

Religion, Spirituality, and Cults New section on religion and cults

Significantly updated research citations

"The psychology of religion is a much neglected topic and I applaud John Santrock for writing this chapter. He did a good job of covering the breadth of the psychology of religion and the chapter is written in an engaging manner. The resource list at the end is lovely."

-Arizona State University

Acknowledgments

I owe debts to many people who substantially improved the 6th Edition of Psychology but three individuals deserve special thanks. Joseph Terry, Psychology Editor, was especially influential in supporting and shaping the book. Jim Rozsa, Senior Marketing Manager in Psychology, played a key role in conceptualizing the book's many changes and themes. I also benefited enormously from Glenn Turner's extensive, detailed analysis and recommendations. I value not only the extraordinary, competent professional input of these three individuals, but also their friendship.

In both the 5th edition and the current, 6th edition of Psychology a number of leading experts in different subfields of psychology have provided me with invaluable advice about their areas of expertise.

Chapter 1: What Is Psychology: Ludy Benjamin, Texas A&M, Charles Brewer, Clemson University; Chapter 2: Psychology's Scientific Methods: Keith E. Stanovich, University of Toronto; Chapter 3: Biological Foundations and the Brain: Jackson Beatty, UCLA; Chapter 4: Sensation and Perception: Alice O'Toole, University of Texas at Dallas; Chapter 5: States of Consciousness: G. William Domhoff; Chapter 6: Learning: Michelle Perry, U. of Illinois at Urbana, Champaign; Chapter 7: Memory: James Bartlett, University of Texas at Dallas; Daniel Schacter, Harvard University, Steven Smith, Texas A&M; Chapter 8: Thinking and Language: Karen A. Luh; Jean Berko Gleason; Chapter 9: Intelligence: Mihalyi Csiksentmihalyi, University of Chicago; Chapter 10: Human Development: Illene Noppe, University of Wisconsin—Green Bay; Chapter 11: Motivation and Emotion: Laura King, SMU; Chapter 12: Personality:

N.C. Higgins, University of North British Columbia; Chapter 13: Abnormal Psychology: Lillian Comas-Diaz, Transcultural Institute; Chapter 14: Therapies: Richard P. Halgin, University of Massachusetts, Amherst; Chapter 15: Health Psychology: David Mostofsy, Boston University; James Pennebaker, University of Texas; Chapter 16: Social Psychology: Stanley Gaines, Pomona College; James Jones, U. of Delaware; John Harvey, U. of Iowa, Richard Brislin, East-West Center; Chapter 17: Evolution and Heredity: David Buss, University of Texas: Chapter 18: Gender and Sexuality: Florence Denmark, Pace University; Seth Kalichman, Georgia State U.; Chapter 19: Applied Psychology: Robert Gifford, University of Victoria; Chapter 20: The Psychology of Religion: Raymond Paloutzian, Westmont College

In addition, many instructors who teach introductory psychology made special efforts to provide detailed feedback, in many cases on a lineby-line basis, about Psychology, 6th Edition. They were:

Valerie Ahl, University of Wisconsin-Madison Susan Amato, Boise State University Jim Backlund, Kirtland Community College John Best, Eastern Illinois University Michelle Boyer-Pennington, Middle Tennessee State University James Calhoun, University of Georgia Ellen Dennehy, University of Texas-Dallas Kim Dielmann University of Central Arkansas James Francis, San Jacinto College James Greer, Louisiana State University Jean Berko Gleason, Boston University James J. Johnson, Illinois State University Paul R. Kleinginna, Georgia Southern University Linda Kline, California State University-Chico Karen Kopera-Frye, The University of Akron Phil Kraemer, University of Kentucky Eric Landrum, Boise State University Gary D. Laver, California Polytechnic, San Luis Obispo Marta Losonczy, Salisbury State University Karen E. Luh, University of Wisconsin-Madison Jerry Marshall, University of Central Florida Vicki Mays, University of California-Los Angeles Carol Nemeroff, Arizona State University Cindy Nordstrom, Illinois State University David Penn Louisiana State University Jeffrey Pedroza, Lansing Community College Lawrence A. Pervin, Rutgers University Vincent Punzo, Earlham College Ed Raymaker, Eastern Main Technical College Judith A. Sheiman, Kutztown University Paula Shear, University of Cincinnati Cynthia Sifonis, University of Illinois Charles M. Slem, California Polytech University Jutta M. Street, Wake Technical Community College Roger M. Tarpy, Jr,. Bucknell University Christopher Taylor, University of Arizona Leonard Williams, Rowan University Michael Zickar, Bowling Green State

Another group of psychologists also deserve thanks. They wrote material for individual chapters in previous editions and some of this material served as a base for the development of chapters in the 6th edition. In this regard, thanks go to:

Alice O'Toole, U. of Texas at Dallas (Research in Psychology; Sensation and Perception)

James Bartlett, U. of Texas at Dallas (Memory; Thinking and Language) Laura King, Southern Methodist University (Motivation and Emotion) David Neufeldt, Hutchinson Community College (Applied Psychology) Robert Gifford, U. of Victoria (Applied Psychology) Raymond Paloutzian, Westmont College (Psychology of Religion)

Morton Harmatz, U. of Massachusetts (Therapies)

Barry Stein, Tennessee Technological U. (Thinking and Language)

Student-Driven Pedagogy

Students not only should be challenged to study hard and think more deeply and productively about psychology, they should also be provided with an extensive pedagogical framework to help them learn. Each of the learning and study aids that follow, some of which are unique to this text, have been tested and endorsed by the majority of students attending our focus groups. As a consequence, we are more confident than ever before that your students will find this edition of *Psychology* to be very student friendly.

Images of Psychology and Life

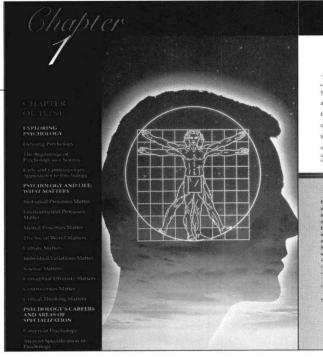
Opens each chapter with an imaginative, high-interest discussion that focuses on a topic related to the chapter content.

Chapter Outline

Shows the organization of topics by heading levels.

NEW! Mini Cognitive Maps

These mini-maps appear three to five times per chapter and provide students with a more detailed, visual look at the organization of the chapter.



"My friend ... care for your psyche, and ... make it as good as possible.... Know thyself, for once we know ourselves, we may learn how to care for ourselves, but otherwise we never shall."

Preview

Percentage of a textual restrict state of the contains some of the most interesting inquiries you will encounter in any area you study in college, in the following Images of Psychology section we will contain the contained of the control of the c

did Ted Kaczynski, math professor, me Ted Kaczynski, Unabomber?

What Is Psychology?

Images of Psychology and Life Why Youth Kill

SIGITES SUIT 15-71-88 CHE KIP, Kinhel has an innocent look and a shy smile. In May 1998, Kinkel strode into the cafeeria at Thurston High School in Springfield, Oregon, and opened fire on his fellow students, murdering two of them and injuring many others. Later that day, police went to Kip's home and found his parents bring dead on the floor, also victims of Kip's violence. A series of other school-related shootings also have recently occurred in the United States. In April, 1999 at Columbine High School in Littleton, Colorado, Eric Harris 1813 and Dylan Kiebold (177), members of an outcast clique called "The Trenchoost Mafia," killed 12 students and a teacher, planted bombs around the school, then committed suicide. Harris had a web page on which he had bragged of making four pipe bombs more than a year before the shootings but no one apparently took it reviously.

Is there any way psychologists can predict whether a youth will turn violent? It's a complex task but they have pieced together some clues (Cowdey, 1998), Violent youth are overwhelmingly male and many are driven by feelings of powerlessness. Violence seems to influse these youth with a sense of power. Statem-year-old Luke



sign at the entrance of the high school where to shooting spree took place asks Kip "why?" That are some possible reasons Kip Kinkel



Students from Columbine High School in Lattleton, Colorado, leave the school after two classmates went on a shooting numpage in Accel 1988



University of Virginia psychologist Dewey Cornell (1998) says that many youth give clear indications of their future violence but aren't taken seriously. Kip Kinkel had an obsession with guns and explosives, a history of abusing animah, and a naty-temper when crossed. When police examined his room, they found two pipe bombs, three larger bombs, and bomb-making recipes that Kip had downloaded from the Internet. Clearly, signs were present to suggests some serious problems in Kip's life. But it is difficult to predict whether youth like Kip will actually act on their anger and sense of powerfessores to commit murder (Garbatine, 1999).

Defining
Psychology
The Beginnings
of Psychology
as a Science
Try, the Common C

Exploring Psychology

Trying to figure out what motivates people like Kip Kinkel to con mit murder is one of the many things psychologists do, Wh else do psychologists do?

have never met and learn that she is a psychologist. What comeston mind when you find out she is a psychologist? To many people, it means that she analyzes people's problems. When my write is asked what her husband does for a living and she says ey commonly respond, "Does he psychoanalyze you all the time?"

When I meet people and they find out I in a psychology, you can see a "setzle".

Many psychologists do analyze people's problems and try to help them cope will be them. However, many psychologists are researchers, not therapists. No single image encompasses psychologists' varied activities. Consider the following descriptions of some contemporary psychologists varied activities. Consider the following descriptions of some contemporary psychologists at work:

 A research psychologist trained in cognitive psychology painstakingly constr the thousands of steps of a computer program that, presented with hundred sentences, will learn language as an infant does.

science injects epinephrine into a rat that has learned a maze, to determine hor the hormone affects its memory.

• A clinical psychologist probes a depressed client's thoughts for clues about the

cause of the depression and thinks about ways to help the client cope more effectively.

A school psychologist gives children a number of psychological tests and rec

ommends the most effective rearring environment for each child.

A psychologist interested in gender and women's issues teaches at a small college and works with her college and the community to eliminate sexual harassment. An organizational psychologist has a consulting firm that advises corporations on wars to improve communication and work productivity.

Sarticok • Psychology Sarticok • Psychology Sarticok Sandra Graham, UCLA "Andemic psychology camon maintain is integrily to continuing to allow clinic minarities to roman marginalized in mainterium research."

simply thought of as variations from the norm or average. These normainstream individuals have been viewed as confunds or "muse" in data. Consequently, researchers have deliberately excluded them from the simples the have selected from "firm, Cause, & Grore, 1993, Because individuals from the confunction of the confunction of the confunction of the attention in people's real first than research data have indicated in the past (Stevenson, 1995).

included a second property of the common power when they seed an interior delivers and the prompts (in the common power and the commo

Reading and Understanding Research Journal

A research challenge that you might face involves reading and understanding essearch isournals. Regardless of the carery you pursue, you can benefit from learning about the journal process. Possibly as a student you will be required to look up original research in journals as part of writing a paper. During or after college, you might want to consult journals to obtain information about

nut to consult journals to obtain information about some aspect of a career or your personal life. And as an inquiring person, you might want to look up information in journals after you hear or read about something that piques your curiosity.

A journal publishes scholarly and academike information, usually in a specific doman—like physics, math, sociology, or, in the case of our interest, psychology. Scholars in these fields publish most of their research in journals, which are the core information in virtually every academic

discipline. Use a similar control of the control of

Preview

A brief look at what the chapter is about, including a series of questions that will be explored.

NEW! Through the Eyes of Psychologists

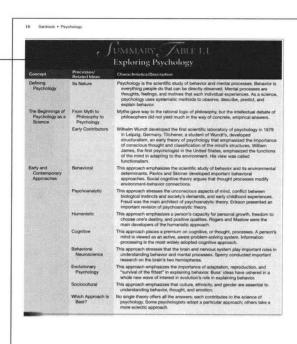
This feature, appearing several times throughout each chapter, includes a photograph and quotation from leading psychologists to stimulate further thinking about the content.

Cartoons

Students like cartoons—perhaps because learning works best when the learner is in a good mood. To that end, cartoons appear several times in each chapter.

Summary Tables

These within-the-chapter reviews are coordinated with, and have the same headings as, the within-thechapter cognitive maps. They give students a handle on information before they reach the end of the chapter.





Defining Psychology

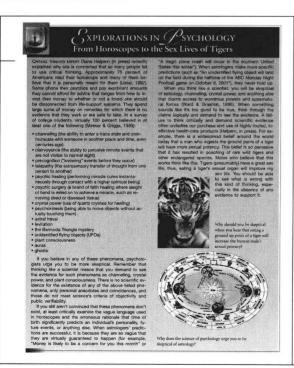


Explorations in Psychology

This feature addresses many controversial issues in psychology and science, asking the student to think critically and evaluate their own stance on these issues.

NEW! Key Terms

These are boldfaced in the text and their definition is italicized.





Child Development

NEW! Cross-Linkage

This system, unique to this text and new in this edition, refers students to the primary discussion of all key concepts. A specific page reference appears in the text with a backward pointing arrow each time a key concept occurs in a chapter subsequent to its initial coverage.

NEW! McGraw-Hill Website

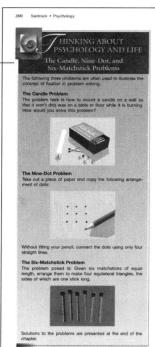
A website icon appearing in the margin next to content guides student to the Psychology, 6e Website where they will find connecting Internet links that provide them with additional information. The label for each Web icon corresponds to the same label on the Santrock web site.

Thinking About Psychology and Life

This feature emphasizes the relevance of psychology to a student's everyday life through use of surveys and illustrative problems.

Overview

This consists of 2 parts:
(1) an overall cognitive map of the entire chapter, and (2) a brief summary of the chapter.



writing a paper for a psychology course. What might be some subposing strengies? One might be locating the right books and research journals on the problem you have decided to usely. At the same time you are searching for establishing some subposits in terms of what you need to establishing some subposits in terms of what you need to establishing some subposits in terms of what you need to establishing some subposits in terms of what you need to establishing some subposits in terms of what you need to establishing some subposits in terms of what you need to establishing some subposits of a positive paper. If the paper is due in two might set a whap also of a fast defail of the paper to weeked might set a whap also of a fast defail of the paper to weeke the paper a menth before it is due, and yet another subgoal of starting lightery research tomerrow.

Notice that in establishing the subgoals, we worked backward. Working backward in establishing subgoals is a good strategy. You first create a subgoal that is closest to the final goal and then work backward to the subgoal that is closest to the beginning of the problem-solving effort.

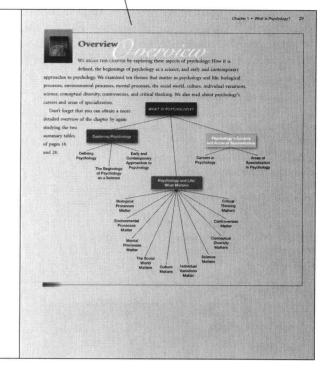
Algorithms are strategies that guarantee a solution is a problem. Algorithms come in different forms, such a using a formula, following a set of directions, or trying ou all possible solutions. We often use algorithms in solvin math problems by applying formulas, and when we follow the instructions to put something together, like a law chair or a table.

In some cases an algorithmic strategy might take a long time. Consider a person who is working a crossword puzzle. She comes across c. mt. ker__ and looks to see what him is given, it was. "Ill is surpress and upareleome," could try every possible alphabet combination in the six blank spaces and then check through a dictionary to see which one is correct. However, not many people would save to go through the more than 1 million steps in this algorithmic effect. Clearly, the algorithmic strategy of try-lens with a small number of possible solutions.

problem, most crossword puzzle enthusiasts use hearistics, which are rartigise or rules of thims that suggest as as hains to a problem but do not guarantee an answer. Thus we know that certain combinations of letters are most know that certain combinations of letters are most find the correct word in the crossword puzzle, we know that combined between r and n, so h, a, and a lot or other letters word twork. We also know that combination of letters like an are acceptable between the x and x, but of letters like are acceptable between the x and x, but point. We come up with "contants" and "cantank." These we get its cantants of the support of the contants of the c

In the real world, we are much more likely to face problems in which it is wise to use heuristics rather than algorithms. Heuristics help us narrow down the possible solutions to find the one that works.

(3) Evaluate Solutions Once we think we have solved a problem, we really won't know how effective our solution is until we find out if it settedly works. It helps



the end of the book. NEW!

Key People

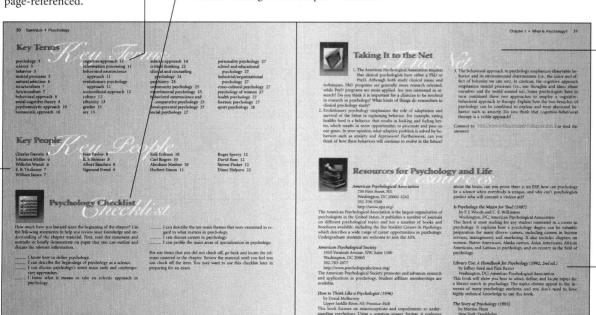
The most important theorists and researchers in the chapter are listed and page-referenced.

End of Chapter Key Terms

The key terms are listed and page-referenced to the chapter in addition to a comprehensive glossary at

NEW! Psychology Checklist

This checklist provides students with an opportunity to check their knowledge and understanding of the chapter's content.



NEW! Taking It To The Net

Students are presented with questions to explore on the Internet, related to the chapter. From the *Psychology*, 6e Website under Taking It To The Net, students will find links to other Websites providing information that will help them to think more deeply about the questions posed.

Resources for Psychology and Life

Here, students will find information about both academic and practical resources, including books, phone numbers, agencies, research journals, and psychological organizations.

Illustration Program

The illustrations in introductory psychology texts have, in theory, always been important—but as almost any student will tell you, it is rare that the majority of photographs and figures are consistently relevant in a pedagogical context. This is usually because the authors and publishers place a far greater emphasis on the narrative content. However as more and more students become visual learners, the illustrative half of this equation must be accorded more attention. Failure to do so will result in texts that are unnecessarily more difficult for some students.

In this edition, we worked hard to give the illustration manuscript more relevance than the usual facelift would produce. Each photograph and figure was carefully selected and/or developed for its pedagogical significance, including those that open each chapter. Virtually every two-page spread contains one or more illustrations, providing visual interest and reinforcement for all key concepts. Many of the photo captions now contain critical thinking questions designed to encourage students to think more thoroughly about and apply the topic of the illustration to their own lives or related events.

Critical Thinking Questions

Many of the photos are now accompanied by critical thinking questions, designed to encourage students to think more thoroughly about topics and apply the material to their own lives.



FOR THE STUDENT

Student Study Guide (as prepared by Gregory Cutler, Bay de NOC Community College)

Guided Review

Fill-in-the-blanks chapter review.

All answers and explanations provided

The Big Picture

Invitation to and brief overview of the main chapter points.

Learning Objectives

Identical to those that appear in the IM and TIF.

Chapter 1 - What is Psychology?

The Big Picture: Chapter Overview

The Big Picture: Chapter Overview
Psychologists define their field as the scientific study of behavior and mental processes and rely
upon systematic methods to observe, describe, predict, and explain behavior. The history of psychology
to total in philosophy, biology, and physiology. The first scientific psychology liboratory was developed
representations of the philosophy, biology, and physiology. The first scientific psychology liboratory was developed
sepanding Wundt's swork. Their approach, which enphasized the importance of conscious brought and
classification of the mind's structures, was called structuralism. William James, the first psychologis in
the United States, emphasized the importance of conscious brought and
classification of the mind's structures, was called structuralism. William James, the first psychologis was
was called functionalism.

was called functionalism.

was called functionalism.

was called functionalism.

containing the special process of the psychology. The behavioral approach focus
on using science to study how the environment allenders behavior. The social cognitive is approach
conditions on behavior. The unconscious mind, conflict between biological instincts and society's
demands, and early family experiences characterize the psychosandytic approach. In the humanistic
destiny, and as possessing positive qualities. The cognitive approach focuses on mental processes such attention, perception, memory, thinking, and problem-solving. The brain and nervous systems and the
destiny, and as possessing positive qualities. The cognitive approach focuses on mental processes such attention, perception, memory, thinking, and problem-solving. The brain and nervous systems and the
certainship to behavior, thought, and emotion are the areas of interest in the behavioral neuroscience
approach. The evolutionary psychology approach agues for the importance of adoctionary to processes and the control of the processes and the processes and the processes are processed in the processes and the proc

a have studied the material in this chapter, you should be able to

- define psychology.

 identify the two disciplines from which psychology emerged.

 distinguish among the following early psychologists and their approaches to psychology: Wundt and Titchener (structuralism) and William James (functionalism).

 distinguish among the seven contemporary approaches to psychology and identify contributions to each approach.

 behavioral

 psychoanalytic

 lumanistic

Guided Review

_ in such a way to increase the chance of survival.

_ approach to psychology stresses the importance of ure. nicity, and gender. The term ______ refers to the behavior

philosophy - p. 6 natural selection - p. 6 Wundt - p. 6

Titchener - p. 7

structuralism - p. 7

functionalism - p. 7

behavioral - p. 8 environmental - p. 8 thinking - p. 8 imitation - p. 8

unconscious - p. 9 psychoanalytic - p. 10 sexual - p. 10 aggressive - p. 10 society - p. 10 cultural - p. 10

humanistic - p. 10 choose - p. 10 Rogers/Maslow - p. 10 cognitive - p. 11

active - p. 11

neuroscience - p. 11 Evolutionary - p. 12

evolved - p. 12 sociocultural - p. 12 culture - p. 13

In Your Own Words

(5-10 per chapter)

Students are promoted to paraphrase what they've learned in the chapter, fostering independent thinking rather than memorization of details.

Correcting the Incorrect (15-20 per chapter)

Identify the factual error and correct accordingly.

In Your Own Words

Critical Thinking Exercises

- Put the definition of psychology into your own words.

 Put the definition of psychology into your own words.

 What are some examples of mental processes that you have experienced in the last 10 minutes?

 List some things about you that have been influenced by the culture in which you live. (Hint: Don't overlook the obvious.)

 Thinking about how individual variations matter, list some things about you that are unique.

 Based on your experiences and what you've learned so far in this course, what about people fascinates you the most?

 Imagine that you work for an advertising agency. Your team is executed to the control of the secretaries.
- you the most?

 Imagine that you work for an advertising agency. Your team is creating television commercials for each magine that you work for an advertising agency. Your team is creating television commercials for each of the perspectives. Your part of the project is to write a catchy ingle or slogan for each perspective. Make up at title of a fictitious book that could have been writen by Wundi, James, Freud, Stimner, Simon, and Sperry. Try writing a book title for a book on clinical psychology, developmental psychology, foremsic psychology, and the psychology of women. The title should reflect the perspective or specialization. Be creative!

 Chapter On discusses several specializations of psychology. Which one sounds most appealing to you? If you could create a new specialization in psychology, what would it be?

Carefully read each statement. Determine if the statement is correct or incorrect. If the statement is incorrect, make the necessary changes to correct it. Then look directly under the statement for the statement and page reference in the textbook.

- - B. F. Skinner suggested psychology should study the mind.

 B. F. Skinner suggested psychology should not study the mind. (p. 8)

- Psychology is the scientific study of people's psychological problems and how to help those people.

 Psychology is the scientific study of behavior and mental processes: (p. 5)

 Mental processes include thoughs, feelings, and motives that cannot be observed directly.

 Mental processes include thoughs, feelings, and motives that cannot be observed directly. (p. 5)
 Since mental processes are not directly observable, but they are cautally not be read.

 Mental processes are not directly observable, but they are nonetheless read. (p. 5)

 As a philosophy, psychology uses systematic methods to observe, describe, predict, and explain

- Challes Journal State of the Challes of the Challes
- Social cognitive theory focuses on unconscious motives,

 Social cognitive theory focuses on how thoughts modify the impact of environment on behavior.(p. 8)

Explorations in Psychology: From Horoscopes to the Sex Lives of Tigers

- No had does the "soft-office of the "soft of the soft of the soft

- 2c Test:

 psychology is best defined as the
 a study of perception and memory.
 investigation of the human psyche.
 c scientific study of conacious and unconscious processes.
 d scientific study of behavior and mental processes.
 no psychology is more than the study of just perception and memory.
 b sorry this is not the best definition
 c even though psychology does study conscious and unconscious processes.
 - THAT'S CORRECT; psychology is best defined as the scientific study of behavior

 - planning is an example of a mental process since it cannot be directly observed adding is an example of a mental process since it cannot be directly observed CORRECT: coloring a picture is behavior since it can be directly observed thinking is an example of a mental process since it cannot be directly observed
- A team of researchers wants to study aggressive behavior in adolescents. The researchers plan to use times to describe, make predictions about, and explain adolescents' aggressive behavior. Which of the plea describes what been researchers are doing?

 a. They are trying to define mental processes.
 b. They are following the sectionness of destination of behavior.
 c. They are studying good pressure.
 d. They are following the section method.
 green described in the procession of the procession of

 - the researchers might be studying peer pressure, but this is not the best answer CORRECT; this option best describes what the researchers are doing
- The definition of psychology is made up of several parts. Which part refers to "thoughts, feelings and motives"?

Explorations in Psychology (4-6 per chapter)

Thought-provoking questions related to chapter features

Practice Tests

15-20 composed by author; 15 selected from TIF. Multiple-choice items followed by immediate feedback and explanations.