# Contents

Boxed Features x	Statistical Analysis of Research Data 46
Gender/Diversity and Biopsychology	Descriptive Statistics 46 Correlational Statistics 48
Coverage xi	Inferential Statistics 49
Preface xiv	Ethics of Psychological Research 52
About the Authors xx	Ethical Treatment of Research Data 52
The Nature of Psychology 1	Ethical Treatment of Human Participants 52
The Historical Context of Psychology 2	Ethical Treatment of Animal Subjects 54
The Roots of Psychology 2 The Founding Schools of Psychology 5 The Growth of Psychology 8	Chapter Summary 56 Key Terms 57 Chapter Quiz 57 Thought Questions 59
Contemporary Perspectives in	3 Biopsychological Bases
Psychology 13 The Humanistic Perspective 13	of Behavior 60
The Cognitive Perspective 14 The Biopsychological Perspective 14 The Sociocultural Perspective 16	Nature versus Nurture 61 Evolutionary Psychology 62 Behavioral Genetics 62
The Scope of Psychology 17 Academic Fields of Specialization 18 Professional Fields of Specialization 19	Biological Communication Systems 67 The Nervous System 67 The Endocrine System 68
Chapter Summary 22 Key Terms 22 Chapter Quiz 23 Thought Questions 24	Neuronal Activity 71  The Structure of the Neuron 72  The Neural Impulse 72
Psychology as a Science 25	Synaptic Transmission 75
Sources of Knowledge 25 Common Sense 25 Science 27	Brain Functions 80  Techniques for Studying Brain Functions 80  Functional Organization of the Brain 84
Goals of Scientific Research  Description 30  Prediction 31	Cerebral Hemispheric Lateralization 93 Neural Plasticity 99
Control 32	Chapter Summary 103 Key Terms 104
Explanation 32	Chapter Quiz 105 Thought Questions 106
Methods of Psychological Research Descriptive Research Correlational Research 38	

39

Experimental Research

<b>1</b> I	Human Development 107	The Auditory System 175 Auditory Perception 177
F	Research Methods in Developmental Psychology 108 Longitudinal Research 108 Cross-Sectional Research 109 Cohort-Sequential Research 109	Chemical Senses 181  Smell 181  Taste 183  Skin Senses 184  Touch 184
F	Prenatal Development 110 The Germinal Stage 110 The Embryonic Stage 110 The Fetal Stage 111	Pain 185  Body Senses 188  The Kinesthetic Sense 188  The Vestibular Sense 189
lı	Physical Development 112 Perceptual Development 113 Cognitive Development 114 Psychosocial Development 118	Extrasensory Perception 190 Alleged Paranormal Abilities 191 Problems with Paranormal Research 192 The Status of Parapsychology 193  Chapter Summary 194 Key Terms 195
Δ	Adolescent Development 129 Physical Development 129 Cognitive Development 131 Psychosocial Development 132	Chapter Quiz 196 Thought Questions 197  Consciousness 198
Δ	Psychosocial Development 132  Adult Development 136  Physical Development 136  Cognitive Development 137  Psychosocial Development 141	The Nature of Consciousness 199 The Stream of Consciousness 199 Attention 200 The Unconscious 201
	Chapter Summary 147 Key Terms 148 Chapter Quiz 149 Thought Questions 150	Sleep 204 Biological Rhythms and the Sleep-Wake Cycle 204
	Sensation and Perception 151	Patterns of Sleep 205 The Functions of Sleep 209 Sleep Disorders 211
S	Sensory Processes 152 Sensory Thresholds 152 Sensory Adaptation 155	Dreams 214 The Content of Dreams 215 The Purpose of Dreaming 217
V	Visual Sensation 156 Light Waves 156 Vision and the Eye 157 Vision and the Brain 160	Hypnosis 219 Hypnotic Induction and Susceptibility 220 Effects of Hypnosis 221 The Nature of Hypnosis 222
V	Basic Visual Processes 160  Visual Perception 165  Form Perception 165  Depth Perception 167	Psychoactive Drugs 224  Depressants 227  Stimulants 228  Other Psychoactive Drugs 230  Entactogens 232
F	Perceptual Constancies 169 Visual Illusions 171 Experience, Culture, and Perception 173 Hearing 174	Chapter Summary 234 Key Terms 234 Chapter Quiz 235 Thought Questions 236

175

Sound Waves

7	Learning 237	9	Thought and Language 308
	Classical Conditioning 238  Principles of Classical Conditioning 239  Applications of Classical Conditioning 242  Biological Constraints on Classical  Conditioning 246  Operant Conditioning 247		Thought 309 Concept Formation 310 Problem Solving 312 Creativity 316 Decision Making 320 Artificial Intelligence 322
	Principles of Operant Conditioning 247 Applications of Operant Conditioning 255 Biological Constraints on Operant Conditioning 259		Language 324  The Structure of Language 326  The Acquisition of Language 328  The Relationship Between Language
	Cognitive Learning 260 Cognitive Factors in Associative		and Thought 332 Language in Apes 335
	Learning 261 Latent Learning 262 Observational Learning 263		Chapter Summary 339 Key Terms 340 Chapter Quiz 341 Thought Questions 342
	Chapter Summary 266 Key Terms 267	10	Intelligence 343
8	Chapter Quiz 267 Thought Questions 269  Memory 270		Intelligence Testing 345 The History of Intelligence Testing 345 Standardization in Intelligence Testing 347
	Information Processing and Memory 271 Sensory Memory 272		Extremes of Intelligence 351 Intellectual Disabilities 351 Mental Giftedness 355
	Short-Term Memory 273		Theories of Intelligence 357
	Long-Term Memory 276 Encoding 276		Factor-Analytic Theories of Intelligence 357
	Storage 278 Retrieval 281		Sternberg's Triarchic Theory of Intelligence 360
	Forgetting 283  Memory, Forgetting, and Eyewitness		Gardner's Theory of Multiple Intelligences 360
	Testimony 290 Children as Eyewitnesses 291 Questioning the Eyewitness 294		Nature, Nurture, and Intelligence Early Studies of Women 362 Early Studies of Immigrants 363
	Using Effective Study Habits 294 Using Mnemonic Devices 296		The Influence of Heredity and Environment on Intelligence 364
	The Biopsychology of Memory The Neuroanatomy of Memory The Neurochemistry of Memory 301	44	Chapter Summary 371 Key Terms 372 Chapter Quiz 372 Thought Questions 374
	Chapter Summary 304 Key Terms 305		Motivation 375
	Chapter Quiz 306 Thought Questions 307		The Nature of Motivation 376 Sources of Motivation 376 Maslow's Hierarchy of Needs 378

The Hunger Motive 379 The Physiology of Hunger 379	13 Personality 443
Obesity 381 Eating Disorders 385	The Psychoanalytic Approach to Personality 444
The Sex Motive 389  Biopsychological Factors in Sexual  Behavior 390  Psychosocial Factors in Sexual	Freud's Psychosexual Theory 444 Adler's Theory of Individual Psychology 447 Horney's Theory of Feminine
Behavior 391 Sexual Dysfunctions 393 Gender Identity 394 Sexual Orientation 395	Psychology 449 Jung's Theory of Analytical Psychology 449 Psychoanalytic Assessment of
The Arousal Motive 399 Optimal Arousal 399	Personality 450 Status of the Psychoanalytic Approach 451
Sensory Deprivation 400 Sensation Seeking 401  The Achievement Motive 402	The Dispositional Approach to Personality 452 Type Theories 452
Need for Achievement 403 Goal Setting 404 Intrinsic Motivation 404	Trait Theories 454 Dispositional Assessment of Personality 455 Status of the Dispositional Approach 457
The Role of Motivation in Sport 406 The Arousal Motive and Sport 406 The Achievement Motive and Sport 407  Chapter Summary 409 Key Terms 410	The Cognitive-Behavioral Approach to Personality 460 Social-Cognitive Theory 460 Schema Theory 461 Cognitive-Behavioral Assessment of
Chapter Quiz 411 Thought Questions 412  12 Emotion 413	Personality 462 Status of the Cognitive-Behavioral Approach 463
The Biopsychology of Emotion 414  The Autonomic Nervous System and Emotion 414  The Brain and Emotion 415 The Chemistry of Emotion 420	The Humanistic Approach to Personality 465  The Self-Actualization Theory of Personality 466  The Self Theory of Personality 467  The Humanistic Assessment of
The Expression of Emotion 422 Vocal Qualities and Emotion 422 Body Movements and Emotion 423 Facial Expressions and Emotion 423	Personality 468 Status of the Humanistic Approach 469 The Biopsychological Approach to
The Experience of Emotion 426 Happiness 427 Humor 429	Personality 470  The Relationship Between Physique and Personality 471  The Relationship Between Heredity and
Theories of Emotion 431 Biopsychological Theories of Emotion 432 The Facial-Feedback Theory of Emotion 434	Personality 473 Biopsychological Assessment of Personality 473 Status of the Biopsychological Approach 474
Cognitive Theories of Emotion 436	
Chapter Summary 440 Key Terms 440 Chapter Quiz 441 Thought Questions 442	Chapter Summary 476 Key Terms 477 Chapter Quiz 478 Thought Questions 479

A Dayahalagiaal Digardara 490	15 Thorony 500
4 Psychological Disorders 480	<b>15</b> Therapy 529
Characteristics of Psychological Disorders 480 Criteria for Psychological Disorders 481 Viewpoints on Psychological Disorders 482 Classification of Psychological Disorders 488 Anxiety Disorders 489	The History of Therapy 530  Ancient Practices 530  Medieval and Renaissance Approaches 530  18th- and 19th-Century Reforms 530  The Mental Health Movement 531  The Psychoanalytic Orientation 532  The Nature of Psychoanalysis 532  Techniques in Psychoanalysis 532
Generalized Anxiety Disorder 491 Panic Disorder 492 Phobias 494	Offshoots of Psychoanalysis 533 <b>The Behavioral Orientation</b> 533  Classical Conditioning Therapies 534
Obsessive-Compulsive Disorder 496 Characteristics of Obsessive-Compulsive Disorder 497	Operant-Conditioning Therapies 536 Social-Learning Therapies 538
Causes of Obsessive-Compulsive Disorder 497	The Cognitive Orientation 538 Rational-Emotive Behavior Therapy 538 Cognitive Therapy 540
Somatic Symptom and Related Disorders 498 Illness Anxiety Disorder 498 Conversion Disorder 499	The Humanistic Orientation 540 Person-Centered Therapy 540 Gestalt Therapy 541
Dissociative Disorders 500 Dissociative Amnesia and Fugue 500 Dissociative Identity Disorder 501	The Social-Relations Orientation 542 Group Therapy 542 Family Therapy 543
Major Depressive Disorder and Related Disorders 503 Major Depressive Disorder 503 Seasonal Affective Disorder 506	The Biological Orientation Psychosurgery 544 Electroconvulsive Therapy 545 Drug Therapy 546
Suicide and Major Depressive Disorder 508  Bipolar Disorder 509	Community Mental Health 548 Deinstitutionalization 548 Prevention of Psychological Disorders 548
Characteristics of Bipolar Disorder 510 Causes of Bipolar Disorder 510	The Rights of the Therapy Client The Rights of Hospitalized Patients  549
Schizophrenia 511  The Nature of Schizophrenia 512  Causes of Schizophrenia 513	The Right to Confidentiality 550  Finding the Proper Therapy 551  Selecting the Right Therapist 551
Personality Disorders 517 Borderline Personality Disorder 518 Antisocial Personality Disorder 519	Bibliotherapy as an Alternative 552 <b>The Effectiveness of Psychotherapy</b> Evaluation of Psychotherapy 553
Developmental Disorders 520 Autism Spectrum Disorder (ASD) 521	Factors in the Effectiveness of Psychotherapy 554

Chapter Summary 557

Chapter Quiz 559

Key Terms 558

Thought Questions 560

viii

Chapter Quiz 527

(ADHD)

Chapter Summary 525

Attention Deficit Hyperactivity Disorder

Key Terms 526

Thought Questions 528

522

16	Psychology, Health,	17 Social Psychology 595
	and Stress 561	Social Cognition 596
	Psychological Stress and Stressors 562 Life Changes 562	Causal Attribution 596 Person Perception 598
	Daily Hassles 564  The Biopsychology of Stress and Illness 566	Interpersonal Attraction 601 Liking 601
		Romantic Love 603
	General Adaptation Syndrome 567 Stress and Cardiovascular Disease 567 Stress and Immune Functioning 570 Stress and Cancer 573	Attitudes 606  The Formation of Attitudes 607  The Art of Persuasion 608  Attitudes and Behavior 610  Prejudice 612
	Factors That Moderate the Stress Response 574 Physiological Reactivity 574 Cognitive Appraisal 575 Explanatory Style 575	Group Dynamics 615 Group Decision Making 615 Group Effects on Performance 617 Social Influence 619
	Perceived Control 576 Psychological Hardiness 577 Social Support 578	Aggression 622 Theories of Aggression 622 Group Violence 625
	Coping with Stress 579 Emotional Release and Stress Management 580	Prosocial Behavior 626 Altruism 626 Bystander Intervention 627
	Stress-Inoculation Training 580 Exercise and Stress Management 580 Relaxation and Stress Management 581	Chapter Summary 631 Key Terms 632 Chapter Quiz 632 Thought Questions 634
	Health-Promoting Habits 582 Practicing Safe Sex 582	Answers to Section Review Questions Ans-1
	Practicing Safe Sex 582 Keeping Physically Fit 583	Answers to Chapter Quiz Questions Ans-14
	Maintaining a Healthy Diet and Body	Appendix A A-1
	Weight 585 Avoiding Tobacco Products 586	Appendix B B-1
		Appendix C C-1

Key Contributors KC-1

Glossary G-1

References R-1

Name Index I-1

Subject Index I-32

Seeking Treatment for Health
Problems 588
Relieving Patient Distress 589
Encouraging Adherence to Medical
Regimens 590

Chapter Summary 592 Key Terms 592 Chapter Quiz 592 Thought Questions 594

## **Boxed Features**

### Critical Thinking About Psychology

Does Melatonin Have Beneficial Physical and Psychological Effects? 26

What Can We Infer from the Size and Shape of the Brain? 82 Are There Significant Psychological Gender Differences? 138

Can We Be Controlled by Subliminal Messages? 155

Does Television Influence Children's Behavior? 264

Should We Trust "Recovered Memories" of Childhood Abuse? 287

How Should We Respond to The Bell Curve? 364

Is There a Gay Brain? 397

Do Lie Detectors Tell the Truth? 416

How Effective Is Psychological Profiling in Identifying Criminals? 464

Does the Insanity Defense Let Many Violent Criminals Escape Punishment? 486

## Psychology versus Common Sense

Can We Reliably Detect When Someone Is Drunk? 28

Is Being Left-Handed a Pathological Condition? 96

Can Baseball Batters Really Keep Their Eyes on the Ball? 162 Is Sleep Necessary for Good Health? 212

Can Leading Questions Alter Our Memories of Vivid

Events? 292

Can Rewarding Creative Behavior Inhibit Creativity? 318

Are Faster Brains More Intelligent Brains? 358

Will Rewarding a Behavior Always Increase Our Desire to Perform It? 405

Do Emotional Experiences Depend on Physical Responses to Emotional Situations? 433

Is Personality Consistent from One Situation to Another? 458

Can Mentally Healthy People Be Recognized in a Mental Hospital? 490

#### The Research Process

Can Experimenter Expectancies Affect the Behavior of Laboratory Rats? 44

Has Evolution Influenced Gender Differences in Romantic Jealousy? 63

When Do Infants Develop Depth Perception? 116

Are There Cultural Differences in the Painfulness of Childbirth? 187

Is Hypnosis an Altered State of Consciousness? 224

Can Classical Conditioning Help Maintain the Appetites of Children Undergoing Chemotherapy? 245

Do We Form Sensory Memories of All the Information That Stimulates Our Sensory Receptors? 274

Does Language Influence Children's Conceptions of Gender Roles? 334

What Is the Fate of Childhood Geniuses? 356

How Satisfied Are Men and Women with Their Bodies? 386

Do Emotions Depend on Our Attribution of a Cause for Our Physiological Arousal? 437

How Similar Are the Personalities of Identical Twins Reared Apart? 474

Are People Who Ruminate About Their Problems More Likely to Develop Major Depressive Disorder? 507

Do Endorphins Mediate the Effect of Systematic Desensitization on Phobias? 536

Can the Immune Response Be Altered by Classical Conditioning? 573

Would You Harm Someone Just Because an Authority Figure Ordered You To? 622

## Experiencing Psychology

What Are the Locations and Functions of Brain Structures? 103 An Analysis of Children's Toys 147

A Personal Study of Sleep and Dreams 233

Shaping the Professor's Behavior—A Case Study 265

Does the Pegword Method Improve Memory Performance? 304 Will the Replication of a Classic Research Study on Mental Sets Produce Similar Findings Today? 338

What Would You Include in an IQ Test? 371

Can Mental Imagery Improve Sport Performance? 409

Are Humorous Professors More Effective Teachers? 439

Are Amazing Similarities in Personality Just the Result of Coincidence? 476

How Do the Media Portray Psychological Disorders? 525

How Do the Media Portray Drug Therapy? 557

Increasing Exercise Adherence 591

A Study of Personal Advertisements 630

## Gender/Diversity and Biopsychology Coverage

#### Gender/Diversity Coverage

### Chapter 1

Women's role in history of psychology 8

Cross-cultural, cultural, and ethnic psychology and issues 16

#### Chapter 2

Interpretation of group differences and individual differences 51–52

#### Chapter 3

Gender differences and similarities in jealousy (with acknowledgment of cultural factors) (The Research Process feature) 63

Gender similarities in prolactin secretion of expectant parents 69

Cultural factors in handedness 94-97

Gender differences in cerebral lateralization 94, 95

### Chapter 4

Sociocultural factors in teratogens 111-112

Cross-cultural differences and similarities in correlates of attachment 119–121

Paternal attachment 120

Cross-cultural factors influencing nature of parenting behaviors 122

Gender, culture, and childhood friendship 124

Cultural similarities in familial conflict 123-124

Ethnic identity 133-134

Relationship dissolution among heterosexual, gay, and lesbian couples 143–144

## Chapter 5

Color-blindness as sex-linked trait 165

Cross-cultural and gender differences in olfaction 181

## Chapter 6

Cross-cultural similarities in sleep deficit (with mention of gender) 207–209

Gender and ethnic differences in sleep cycle 208

### Chapter 8

Study of Turkish residents who had/had not experienced Marmara earthquake 270

Effect of gender schemas on memory 281

Cross-cultural differences and similarities in eyewitness testimony 291

Gender differences in emotional memory 299

Research on effect of estrogen and testosterone on age-related memory deficits 303

#### Chapter 9

Cross-cultural research on perception of click consonants 326

Cognitive linguistics and cross-cultural variation in language 334

Hyde's research on nonsexist language (The Research Process feature) 334

#### Chapter 10

Sociohistorical influences on gifted women (The Research Process feature) 356

Early studies of gender differences in intelligence 362-363

### Chapter 11

Chapter-opening story of Mother, a sexual minority 375-376

Gender, ethnicity, and sexual orientation—differences and similarities in prevalence of eating disorders 387–389

Study of gender identity 394-395

Cultural factors influencing sexual orientation (including gender) 394–398

## Chapter 12

Cross-cultural differences in emotional expression 422

Gender stereotypes and perceived gender differences in emotionality 424–425

Gender differences in smiling 424-425

Cross-cultural differences in experience of positive and negative emotions 434

## Chapter 13

Cross-cultural research on five-factor theory 454-455

Collective efficacy 461

Gender and cross-cultural differences in self-esteem 468

### Chapter 14

Sociocultural influences on psychological disorders 485-487

Gender and cross-cultural differences/similarities in generalized anxiety disorder 491

Gender and cross-cultural differences/similarities in panic disorder 492–493

Gender and cross-cultural differences/similarities in phobias 494–496

Gender and cross-cultural differences/similarities in obsessivecompulsive disorder (OCD) 497

Gender and cross-cultural differences/similarities in somatic symptom and related disorders 498–500

Gender and ethnic differences in major depressive disorder 503–506

Cross-cultural research on attributional model of major depressive disorder 504–506

Cultural influences on major depressive disorder 504-506

Gender differences in suicide 508-509

Gender differences in bipolar disorder 510

Cross-cultural differences in course of schizophrenia 512–513

Gender differences in antisocial personality disorder 519

#### Chapter 15

Cultural competence in psychotherapy 531 Ethnic match in psychotherapy 555

#### Chapter 16

Gender and ethnic differences in life events 562-563

Tend-and-befriend response 566

Poverty and learned helplessness 576

Gender and cross-cultural differences in the expressed need for social support 578–579

Gender differences in smoking relapse 587

Gender, ethnic differences in use of health care delivery system 588–589

## Chapter 17

Gender differences in evaluation of self-handicappers 598-599

Gender and first impressions (handshakes) 599

Cross-cultural differences in romantic love 603-604

Influence of gender and sexual orientation in mate selection (also Experiencing Psychology feature) 606, 630

Conformity and cultural values related to uniqueness 619–620 Gendered aggression 622–625

## **Biopsychology Coverage**

## Chapter 2

Effect of melatonin vs. placebo on sleep 40

## Chapter 3

Possible evolutionary basis of gender differences in romantic jealousy (The Research Process feature) 63

Shared historical context of Galvani's views on the electrical nature of neural conduction and Mary Shelley's use of "galvanism" in *Frankenstein* 73

Otto Loewi's discovery of the chemical basis of neural transmission in a dream 76

Whether left-handedness is a pathological condition (Psychology versus Common Sense feature) 96–97

Neural plasticity, including neural transplantation 99–102

#### Chapter 4

Research study indicating that fetuses form memories of smells experienced in the womb 114

#### Chapter 5

Case of a man who mistook his wife for a hat as an example of sensation vs. perception 151–152

Pupil dilation as a measure of snake phobia 157-158

Prosthetic vision via direct stimulation of the visual cortex 160

Sign language activating the auditory cortex of "listeners" deaf since birth 177

Effects of listening to personal stereos and rock concerts on hearing loss (Meyer-Bisch, 1996) 179

Research indicating that our response to the sound of a fingernail scratching on a blackboard might be genetically based because that sound is similar to the warning cry of a macaque monkey 180

A basis for the incest taboo based on the aversion of fathers and daughters and brothers and sisters to each others' odors 182

MRI study indicating that simply anticipating pain activates painrelevant brain regions 186

#### Chapter 6

Superiority of phase delay to phase advance in rotating shifts 205

Beneficial effects of sleep on the immune response (Psychology versus Common Sense feature) 212

Positive effect of REM sleep on memory 218-219

Research study indicating that hypnosis might not be an altered state of consciousness (The Research Process feature) 224

### Chapter 7

Conditioned taste aversion to prevent coyotes from killing sheep 237–238

Use of classical conditioning in the control of nocturnal enuresis 240–241

Role of classical conditioning in drug overdoses 243-244

Classical conditioning to help children undergoing chemotherapy maintain their appetites (The Research Process feature) 245

### Chapter 8

Marijuana and state-dependent memory 289-290

Controversy over research on the chemical transfer of memories 301

Role of NMDA receptors in rats' recognition of the smell of other rats' breath 302

#### Chapter 10

Role of heredity in intelligence of identical twins reared as fraternal and fraternal twins reared as identical 366

Role of heredity in intelligence of "virtual twins" 366–367

#### Chapter 11

Role of heredity in dietary preferences of identical twins reared apart 379

Inhibitory effect of cholecystokinin on hunger 380

Research study on World War II famine, showing role of early nutrition in later body weight 383–384

Gender differences in body images (The Research Process feature) 386

Changes in sexual values as indicated by publication of article submitted in 1899 in 1983 issue of the *Journal of the American Medical Association* 392

Penis size differences between gay and straight men, indicating possible role of hormones in sexual orientation 396

The "gay brain" (Critical Thinking About Psychology feature) 397 Role of optimal arousal in playing basketball 406–407

#### Chapter 12

The validity of the lie detector (Critical Thinking About Psychology feature) 416–418

Effect of lateralized brain damage on positive and negative emotions 419–420

Hemispheric specialization for positive and negative emotions in infants 420

Role of endorphins in emotional experience of music-concert audience members 421

Role of right hemisphere in the emotional tone of speech, using the Wada test 422

Role of body movements in the perception of emotion, using lights on body joints in the dark 423

Facial-feedback theory of emotion 434-435

### Chapter 13

Personality similarities in identical twins reared apart (The Research Process feature) 474

#### Chapter 14

Why a viral explanation of schizophrenia might explain why one identical twin may be afflicted and the other not 515

Role of lateral ventricles in schizophrenia from meta-analysis of MRI studies 516

#### Chapter 15

Role of endorphins in systematic desensitization (The Research Process feature) 536

#### Chapter 16

Effects of hassles and uplifts on the immune response 564–565 Classical conditioning of the immune response (The Research Process feature) 573

Effect of social support on the immune response of students undergoing exam stress 578

Effect of writing about emotional issues on the immune response 580

Effect of exercise on health in students under stress 580