Photo Credits

 $\begin{array}{l} \textbf{Page iii:} (top to bottom) @ BananaStock/PictureQuest, @ Image Source/Getty Images, @ Bettmann/Corbis, @ Getty Images/Stockbyte, (left) @ Stockbyte; v: (top) @ Matthius Engelien/Alamy, (bottom) @ Brand X Pictures/JupiterImages; vi: @ Andersen Ross/Getty Images; vii: g Image Source/Alamy; viii: @ Richard Hutchings/Digital Light Source; 1: @ Ron Yue/Alamy. \end{array}$

Chapter 1

Opener: O Megan E. Sindelar/U.S. Navy via Getty Images; 3: O AP Photo/ Toby Talbot; 4: (left to right) © Reuters/Corbis, © Anna Clopet/Corbis, © Douglas Faulkner/Photo Researchers; 5: © Brand X/JupiterImages; 6: (bottom) © James Devaney/WireImage/Getty Images; 7: (bottom) © SSPL/ The Image Works; 8: (clockwise from top left): © Corbis Images, Courtesy, Wellesley College Archives. Photographed by Notman, © Bettmann/Corbis, © The Granger Collection, © Photo Researchers; (bottom) © Pixtal/SuperStock and © Bettmann/Corbis; 9: (clockwise from top left): © Nina Leen/Time Life Pictures/Getty Images, © The Granger Collection, Courtesy, Elizabeth Loftus, © The Granger Collection; 10: © Reuters/Corbis; 11: (left to right, starting with second from left) © David Sanger/Getty Images, © Ryan McVay/Getty Images, © White Packert/Getty Images, © Royalty-Free/Corbis; 12: (top) © AJPhoto/ Photo Researchers, (bottom) Arthur Mount; 14: © Top-Pet-Pics/Alamy; 15: © Comstock/PunchStock; 17: © Anna Clopet/Corbis; 18: (both) © Stockdisc; 21: (top) Dynamic Graphics Group/PunchStock, (bottom) © Ed Bock/Corbis; 22: © Dennis Wise/Digital Vision/Getty Images; 23: (top to bottom) © Spencer Grant/PhotoEdit, © Hill Street Studios/Getty Images, © Louie Psihoyos/Science Faction; 24: (top) © Adam Crowley/Getty Images, (bottom) © Douglas Faulkner/ Photo Researchers; 25: (top) © Erica Simone Leeds; 29: © BananaStock/ JupiterImages

Chapter 2

Opener: © Stan Honda/AFP/Getty Images; 32: (top, left to right) © Jamie McCarthy/Getty Images, © Comstock/JupiterImages, © Ed Mulholland/ WireImage/Getty Images, (center) © Craig Zuckerman/Visuals Unlimited, (bottom left) © UpperCut Images/Getty Images, (bottom right) © Stockdisc; 33: (bottom) © Dennis Kunkel/Visuals Unlimited; 38: (top) © Jamie McCarthy/ Getty Images, (bottom) © Comstock/JupiterImages; 39: (top) © Mark Andersen/ Getty Images, (bottom) © Larry Williams/Blend Images/Getty Images; 40: © Doug Menuez/Getty Images; 41: PunchStock/Image Source; 42: (top) © Ed Mulholland/WireImage/Getty Images, (bottom) © Stockdisc; 43: (top) © Radius Images/Alamy, (bottom) © Adam Crowley/Getty Images; 44: © Stockbyte/ Picture Quest; 45: (top left) © Hank Morgan/Photo Researchers, (left to right) © Volker Steger/Peter Arnold, © Bryan Christie Design, © Roger Ressmeyer/ Corbis Images; 46: © Dana Neely/Getty Images; 48: © Royalty-Free/Corbis; 49: (top) Courtesy, Trustees of the British Museum, Natural History, (bottom) From: Damasio H, Grabowski, T, Frank R, Galaburda AM, Damasio AR: The return of Phineas Gage; Clues about the brain from the skull of a famous patient. Science, 264: 1102-1105, 1994. Department of Neurology and Image Analysis Facility, University of Iowa; 50: Christopher Stubbs/Alamy; 51: Brand X/ JupiterImages; 52: (bottom): © RubberBall Productions; 57: © BananaStock/ JupiterImages.

Chapter 3

Opener: © Carlos Ebert/Flickr/Getty Images; 60: (top, left to right) © AP Photo/ The Green Bay News-Chronicle, Boyd Fellows, © NASA, © Jeff Greenberg/ Stock Boston, (bottom): © Matthew Leete/Photodisc/Getty Images; 61: (top) © AP Photo/Marco Garcia, (bottom) © R. C. James; 63: (top) © Brand X/ JupiterImages, (bottom) © AP Photo/The Green Bay News-Chronicle, Boyd Fellows; 64: (both) © Biophoto Associates/Photo Researchers; 65: (center) © Stockdisc, (bottom) © Dynamic Graphics/JupiterImages; 66: © Omikrom/Photo Researchers; 67: C Lars Niki; 68: C Corbis; 70: (top) Tyler Edwards/Getty Images; 71: Dynamic Graphics Group/PunchStock; 72: (top) © NASA, (bottom) © Reed Kaestner/Royalty-Free/Corbis; 73: (top) © Omikron/Photo Researchers, (bottom) © Photodisc/PunchStock; 74: (top) © Brand X/JupiterImages, (bottom) © Anthony Bradshaw/Getty Images; 75: (top): © Chase Jarvis/Getty Images, (bottom) © Liu Yang/Redlink/Royalty-Free/Corbis; 76: © Adam Crowley/Getty Images; 77: (both) From Macalusoa, E. and Jon Driver, J., Multisensory spatial interactions: a window onto functional integration in the human brain. Trends in Neurosciences, Volume 28, Issue 5, May 2005, Pages 264-271; 78: O The New Yorker Collection 2006 Paul Noth from cartoonbank.com; 80: (top) © Cary Wolinsky/Stock Boston, (bottom) © Jeff Greenberg/Stock Boston; 81: © John G. Ross/Photo Researchers.

Chapter 4

Opener: © Gabriela Medina/Blend Images/Getty Images; 88: (top, left to right): © Nick Norman/Getty Images, © AP Photo/Midland Daily News, Erin Painter, © Wolfgang Kaehler/Alamy, (bottom) © The McGraw-Hill Companies, Inc./ Photo by David Planchet; 89: (top) © Brand X/JupiterImages, (bottom) © Rob Melnychuk/Getty Images; 90: (top) © Adam Crowley/Getty Images, (bottom) © Photodisc/Getty Images; 91: (top) © Dynamic Graphics/JupiterImages, (bottom) © Nick Norman/Getty Images; 92: (left to right) © Brand X Pictures/ PunchStock, DAJ/Getty Images, Flying Colours Ltd./Getty Images, Laurent Hamels/Photoalto/PictureQuest, © Brand X Pictures/PunchStock, © Purestock/ PunchStock; 93: © Thinkstock; 94: © CMCD/Getty Images; 95: (top) © Photodisc/Getty Images; 96: © AP Photo/Midland Daily News, Erin Painter; 97: (center) © Liquidlibrary/PictureQuest; 98: (top) Dynamic Graphics Group/ PunchStock, (bottom a-c) From Brefczynski-Lewis, J.A., Lutz, A., Schaefer, H.S., Levinson, D.B. and Davidsoni, R.J. Neural correlates of attentional expertise in long-term meditation practitioners. PNAS, Vol. 104, no. 17, pp11483-11488; 100: © Wolfgang Kaehler/Alamy; 101: (top) © iStockphoto. com/ALEAIMAGE, (bottom): © Photodisc Collection/Getty Images; 102: (left to right) © Stockbyte/Punchstock, © Jonnie Miles/Getty Images; 0 Per-Anders Pettersson/Getty Images; 103: © Brand X/JupiterImages; 104: (top) © Stockdisc, (bottom) © iStockphoto.com/Jail Free.

Chapter 5

Opener: © Betsie Van der Meer/Getty Images; 112: (top, left to right) © Scott T. Baxter/Getty Images; © Tim Hall/Getty Images, © Gary Salter/Corbis, (bottom) © David Frazier/Image Works; 113: © Nathalie Walker; 114: © Photodisc, © iStockphoto.com/Mark Coffey, © iStockphoto.com/Leonid Nyshko; 115: (top) © Scott T. Baxter/Getty Images, (bottom) © Amos Morgan/Getty Images; 116: © Photodisc/Getty Images; 117: © Brand X Pictures/PunchStock; 118: (top) © Nina Leen/Time Life Pictures/Getty Images, (bottom) © Adam Crowley/ Getty Images; 119: (top) © Tim Hall/Getty Images, (bottom) © Getty Images/ Photodisc; 120: (top left) © Ryan McVay/Getty Images, (top right) © Royalty-Free/Corbis, (bottom left) © BananaStock/PunchStock, (bottom right) © Amy Etra/PhotoEdit; 121: © Tony Freeman/PhotoEdit; 122: © Studio 101/Alamy; 124: O Beau Lark/Corbis; 125: (left) O Getty Images, (right) O Veer; 127: O Ariel Skelley/Corbis; 128: (top to bottom) © Digital Vision, © Punchstock/ BananaStock, Arthur Mount; 129: (top) © Gary Salter/Corbis; 130: © Ingram Publishing/Fotosearch, © Photodisc/Getty Images; 131: (both) © Image Source/ Getty Images; 132: © Brand X/JupiterImages.

Chapter 6

Opener: © Digital Vision/PunchStock; 138: (top, left to right) © Paul Avis/ Stone/Getty Images, © Kathy McLaughlin/Image Works, © Joseph Nettis/Photo Researchers, (bottom) © Ron Yue/Alamy; 139: (top to bottom) © iStockphoto. com/gbautista87, D. Hurst/Alamy, © McGraw-Hill Companies, Inc./Gary He, photographer, © Paul Avis/Stone/Getty Images; 140: C Squared Studios /Getty Images; 143: © Kathy McLaughlin/The Image Works; 144: (top) © Stockdisc, (bottom) © iStockphoto.com/Rayasick; 146: © Greatstock Photographic Library/ Alamy; 147: (left) © G.K. & Vikki Hart/Getty Images; (right) © Purestock/ Getty Images; 148: © Amos Morgan/Getty Images, (right) © Ralf-Finn Hestoft/ Corbis; 151: (top) Siede Preis/Getty Images, (bottom) © Adam Crowley/Getty Images; 152: (top) © Stockdisc, (bottom) © Monkey Business Images, Ltd/ Punchstock; 153: (top) © Brand X/JupiterImages, (bottom): © Joseph Nettis/ Photo Researchers; 155: © Masterfile; 157: Paul Thompson, UCLA Laboratory of Neuroimaging, 2003; 161: © BananaStock/JupiterImages.

Chapter 7

Opener: © Jason Reed/Corbis; 164: (left to right) © Ross Kinnaird/Getty Images, © Photodisc/Getty Images, © David Hiser/Still Media; 165: (top) © Ross Kinnaird/Getty Images, (bottom, left to right) © Bettmann/Corbis, © Jonathan Brady/epa/Corbis; 166: © David Young-Wolff/Alamy; 168: © iStockphoto.com/Julie Ridge; 169: (top) © Photodisc/Getty Images, (bottom, left to right) © Hoby Finn/Getty Images, © Stockbyte/PunchStock; 172: © iStockphoto.com/Diane Diederich; 173: (top) Ryan McVay/Getty Images, (bottom) © Stockdisc; 174: © Adam Crowley/Getty Images; 175: (top) © Rob Crandall/Stock Connection Blue/Alamy; 176: © Aflo Foto Agency/Alamy; 177: (top) © Image Source Black/Alamy, (center) © Stockdisc; 178: © David Hiser/ Still Media; 179: © Bob Daemmrich/The Image Works; 180: (1) © Harold Holt/Hulton Archive/Getty Images, (2) © Bettmann/Corbis, (3) © Cold Spring Harbor Laboratory, (4) © Bettmann/Corbis, (5) © David Hiser/Still Media, (6) © Bettmann/Corbis, (7) © George C. Beresford/Getty Images, (8) © Dr. Parvinder Sethi; 182: O Andersen Ross/Digital Vision/Getty Images; 184: O Doug Menuez/ Getty Images; 187: © AP Photo/Gregory Bull.

Chapter 8

Opener: © Corey Rich/Aurora Photos/Corbis; 194: (top, left to right) © AP Photo/Gautam Singh, © AP Photo/Eugenio Savio, © Galen Rowell/Corbis, (bottom) © AP Photo/Franck Prevel; 195: (top) © Chase Swift/Corbis, (bottom) © Reuters/Corbis; 196: © Brand X/JupiterImages; 197: (top) © Photodisc/Getty Images, (bottom, clockwise from top left) © iStockphoto.com/Photogl, © Brand X Pictures/PunchStock, © Brand X Pictures, © Brooke Fasani/Corbis, © Digital Vision; 198: (top) © AP Photo/Gautam Singh; 199: (top) © DoD photo by Cpl. Brian M. Henner, U.S. Marine Corps, (bottom) © Doable/amanaimages/Corbis; 200: (top) © Brand X/JupiterImages, (bottom) © Duable/amanaimages/Corbis; Getty Images; 201: © Ellen B. Senisi/The Image Works; 202: From Santel, S., Baving, L., Krauel, K., Muente, T.F. Hunger and Satiety in Anorexia Nervosa: fMRI during cognitive processing of food pictures. Brain Research. Vol. 1114, (1) 9 Oct. 2006, pp. 138-148; 204: (top to bottom) © AP Photo/Eugenio Savio, © Adam Crowley/Getty Images, © Andrew Unangst/Getty Images; **205**: © Andrew Darrington/Alamy; **206**: (top to bottom) © ballyscanlon/Digital Vision/ Getty Images, © mauritius images GmbH/Alamy, © Amos Morgan/Getty Images; **207**: © Stockdisc; **209**: (center) © AP Photo/J. Scott Applewhite, (bottom) © AP Photo/Volker Wiciok; **210**: (bottom) © Comstock Images; **211**: © Stockbyte/Getty Images; **212**: © Galen Rowell/Corbis; **214**: (all) © Matsumoto & Ekman, 1988.

Chapter 9

Opener: © Michael Poehlman/Getty Images; 220: (top, left to right) © Ethno Images, Inc./Alamy, © AP Photo/Ed Andrieski, © Deborah Davis/PhotoEdit, (bottom) © Peter Byron: 221: (bottom) © Getty Images/Digital Vision: 222: © Dave King/Dorling Kindersley/Getty Images; 223: © D.W. Fawcett/Photo Researchers; 224: (left) © Lennart Nilsson/Albert Bonniers Forlag AB/A Child is Born/Dell Publishing, (right) © Petit Format/Science Source/Photo Researchers; 225: © Brand X Pictures/Punchstock: 226: © Picture Partners/Alamy: 228: From Meltzhoff, A.N. (1988). Imitation of Televised Models by Infants. Child Development, 59, 1221-1229. Photo Courtesy of A.N. Meltzhoff & M. Hanak.; 229: (left) © Richard Hutchings/Digital Light Source, (bottom) © Ethno Images Inc./Alamy; 230: (top to bottom) © Stockdisc, © Image Club, © Adam Crowley/ Getty Images; 231: (top) Courtesy Helen A. LeRoy, Harlow Primate Laboratory, University of Wisconsin, (bottom) © Reed Kaestner/Corbis Premium RF; 232: (left) © FotoKIA/Index Stock/Photolibrary, (right) David Ellis/Digital Vision/ Getty Images; 233: O David Tipling/Alamy; 234: (top) O Flying Colours Ltd./ Getty Images, (bottom, left to right): © Stockbyte/Getty Images, © Laurence Mouton/PhotoAlto/PictureQuest, © Corbis, © Royalty-Free/Corbis; 235: © Laura Dwight/Peter Arnold; 238: (top) © Syracuse Newspapers/Gary Walts/Image Works, (bottom) © Stockbyte/Getty Images; 240: (top) © Corbis Images/JupiterImages, (bottom) © Stockdisc; 242: (clockwise, from top left) © iStockphoto.com/Tarinoel, © BananaStock/PunchStock, Ariel Skelly/Getty Images, © Jon Feingersh/Blend Images/Getty Images, Ryan McVay/Getty Images, © Comstock Images/Jupiter Images/Alamy, © Blue Moon Stock/Alamy Images, Mel Curis/Getty Images; 245: (top) © BananaStock/PunchStock, (bottom) © AP Photo/Ed Andrieski; 246: (top) © Jose Luis Pelaez Inc./Blend Images/Corbis, (bottom) © Granger Wootz/Blend Images/Corbis; 247: © Randy Faris/Corbis; 248: (left) © Zave Smith/UpperCut Images/Getty Images, (right) © Jose Luis Pelaez, Inc./Blend Images/Getty Images; 249: © Harry Scull, Jr./Buffalo News; 250: © Deborah Davis/PhotoEdit; 252: © Dennis Wise/Digital Vision/Getty Images; 253: © Brand X/JupiterImages

Chapter 10

Opener: © Werner Dieterich/Photographer's Choice/Getty Images; 258: (top, left to right) © Warner Bros./Courtesy Everett Collection, © BananaStock/PunchStock, © Michael Newman/PhotoEdit, (center) © Stockdisc, (bottom) © Photodisc; 261: (top) © Guy Gillette/Photo Researchers, (bottom) Arthur Mount; 263: (top) © Warner Bros./Courtesy Everett Collection, (bottom) Arthur Mount; 265: © Adam Crowley/Getty Images; 266: (bottom) © Stockdisc; 268: © BananaStock/PunchStock; 269: © Michael Newman/PhotoEdit; 272: (center) © Brand X/JupiterImages; 273: © Corbis; 277: © Goodshoot/Punchstock.

Chapter 11

Opener: © Frances Roberts/Alamy; 280: (top, left to right) © Barry Lewis/Corbis, © AP Photo/Mark Humphrey, © Lucas Jackson/Reuters, (bottom) © J.J.Guillen/ epa/Corbis; 281: © Stockdisc; 282: © Barry Lewis/Corbis; 284: © Brand X/ JupiterImages; 285: (top) © Dr. David Phillips/Visuals Unlimited, (bottom) © Ned Frisk Photography/Brand X/Corbis; 287: © Adam Crowley/Getty; 288: (top) From, Coan, J., Schaefer, H., Davidson, R. "Lending a Hand: Social Regulation of the Neural Response to Threat." Psychological Science, Volume 17, Issue 12, pp 1032-1039. Fig. 3. Published Online: 13 Dec 2006. © 2009 Association for Psychological Science, (bottom, left to right) © Nick Daly/Getty Images, © Dennis Wise/Digital Vision/Getty Images; 289: © AP Photo/Mark Humphrey; 292: (left) © Stockdisc, (right) © Lucas Jackson/Reuters; 293: © Digital Vision/PunchStock; 294: © Digital Vision/SuperStock; 296: © Jose Luis Pelaez/Corbis; 299: © Stockbyle/Getty Images.

Chapter 12

Opener: © Martin Barraud/Getty Images; 302: (left to right) © Rino Gropuzzo/ age fotostock, © Michael Newman/PhotoEdit, © The McGraw-Hill Companies, Inc./Luke David, photographer; 304: © Reprinted with permission from the Diagnostic and Statistical Manual of Mental Disorders, Text Revision, Copyright 2000; 306: (clockwise from top left) © PhotoAlto/PictureQuest, © Rino Gropuzzo/ age fotostock; © Alamy Images, © Royalty-Free/Corbis, © Photodisc/Getty Images; 307: © Kevin Winter/Getty Images for Nickelodeon; 309: © Brand X/ JupiterImages; 310: (top) © Adam Crowley/Getty Images, (bottom) Courtesy, Ian H. Gotlib, Ph.D; 311: © Chad Baker/Ryan McVay/Getty Images; 314: (top) © Stockdisc; 319: © HBO/The Kobal Collection; 321: (top) © Colin Young-Wolff/ PhotoEdit, (bottom) © Photodisc/PunchStock; 323: © Michael Newman/PhotoEdit; 324: © Stockdisc; 326: © Jon Bradley/Getty Images; 328: © Comstock Images/ PictureQuest; 331: (top) © The McGraw-Hill Companies, Inc./Luke David, photographer, (bottom) © Doug Menuez/Getty Images.

Chapter 13

Opener: © Image Source/Getty Images; 336: (top, left to right) © Paul Barton/ Corbis, © Barbara Burnes/Photo Researchers, © Reuters NewMedia Inc./Corbis Images, (bottom) © Feng Li/Getty Images; 337: © iStockphoto.com/Sebastian Kaulitzki; 338: (top) © Brand X/JupiterImages; 339: (top) © David J. Green Studio/Alamy, (bottom) © PhotoAlto/Alix Minde/Getty Images; 341: © PhotoAlto/ PunchStock; 342: © Paul Barton/Corbis; 343: © Masterfile Royalty-Free; 344: William Vandivert, Scientific American, November 1955, Vol. 193, Issue 5, p. 31–35; 345: © CMCD/Getty Images; 347: From the film OBEDIENCE © 1965 by Stanley Milgram and distributed by Penn. State Media Sales. Permission granted by Alexandra Milgram; 348: © Barbara Burnes/Photo Researchers; 351: © Adam Crowley/Getty Images; 352: © Brand X/JupiterImages; 353: (top) © Stockdisc; 354: © Brand X/JupiterImages; 357: © Reuters NewMedia Inc./Corbis Images.

433: © Stockbyte/Getty Images; 440: © Veer.

Text Credits Chapter 1

p. 9: *Psychology: Making Connections*, 1st ed., by Gregory Feist and Erika Rosenberg. Copyright © 2010 by The McGraw-Hill Companies, Inc. Reprinted by permission. **p. 12:** *Psychology: Making Connections*, 1st ed., by Gregory Feist and Erika Rosenberg. Copyright © 2010 by The McGraw-Hill Companies, Inc. Reprinted by permission. **p. 16:** © The New Yorker Collection 1998 Roz Chast from cartoonbank.com. All Rights Reserved. **p. 19:** © The New Yorker Collection 2004 Mike Twohy from cartoonbank.com. All Rights Reserved. Yorker Collection 1993 Donald Reilly from cartoonbank.com. All Rights Reserved.

Chapter 2

p. 33: From K. Van De Graaff, Human Anatomy 5/e, 2000. Copyright © 2000 The McGraw-Hill Companies. Reprinted with permission. p. 35 (top): Human Biology, 6th ed., by S. Mader. Copyright © 2000 by The McGraw-Hill Companies, Inc. Reprinted by permission. p. 35 (bottom): From S. S. Mader, Biology, 2000. Copyright © 2000 The McGraw-Hill Companies. Reprinted with permission. p. 41: From Michael Passer and Ronald Smith, Psychology: Frontiers and Applications, 2001. Copyright © 2001 The McGraw-Hill Companies. Reprinted with permission. p. 44: From Robert Brooker, Eric Widmaier, linda Graham and Peter Stiling, Biology 1/e, 2008. Copyright © 2008 The McGraw-Hill Companies. Reprinted with permission. p. 46 (top): From Rod Seeley, Trent Stephens and Philip Tate, Anatomy & Physiology 5/e, 2000. Copyright © 2000 The McGraw-Hill Companies. Reprinted with permission. p. 46 (bottom): From George Johnson and Thomas Emmel, The Living World 2/e, 2000. Copyright © 2000 The McGraw-Hill Companies, Inc. Reprinted by permission. p. 51: Adapted from Brain and Cognition, Vol 41/no 3, B.E. Morton, "Assymetry Questionnaire Outcomes Correlate with Several Hemisphericity Measures," pp. 372-374. Copyright © 2003 with permission from Elsevier. p. 53: Biology, by Brooker, et al. Copyright © 2008 by The McGraw-Hill Companies. Reprinted by permission.

Chapter 3

p. 64: From Camille B. Wortman, Elizabeth F. Loftus, and Charles Weaver, *Psychology*, 5th ed., p. 113. Copyright © 1999 by The McGraw-Hill Companies, Inc. Reprinted with permission. p. 66: From David Shier, Jackie Butler and Ricki Lewis, *Human Anatomy and Physiology* 7/e, 2000. Copyright © 2000 The McGraw-Hill Companies. Reprinted with permission. p. 67: From Sylvia Mader, *Biology* 7/e, 2000. Copyright © 2000 The McGraw-Hill Companies. Reprinted with permission. p. 70: *Biology*, by Brooker, et al. Copyright © 2008 by The McGraw-Hill Companies. Reprinted by permission. p. 74: Reprinted by permission of Dr. Linda Bartoshuk. p. 79: From Stanley Coren and Lawrence M. Ward, *Sensation & Perception*, 3rd ed. (1989), p. 329. Reprinted with permission of John Wiley & Sons, Inc. p. 83: Fig 1 from W. Hudson "Pictorial Depth Perception in Sub-Cultural Groups in Africa." *Journal of Social Psychology*, 52, 183-208. Reprinted by permission of Heldref Publications, via Copyright Clearance Center.

Chapter 4

p. 89 (top): Teaching of Psychology, by J. J. Palladino and B. J. Carducci. Copyright 1984 by Taylor & Francis Informa Ltd. Journals. Reproduced with permission of Taylor & Francis Informa UK Ltd. Journals via Copyright Clearance Center. p. 89 (bottom): From the book Sleep, by J. Allen Hobson, p. 16. Copyright © 1989 by J. Allen Hobson. Reprinted by permission of Henry Holt & Company, LLC. From Secrets of Sleep, by Alexander Borbély, p. 43. English translation copyright © 1986 by Basic Books, Inc., ©1984 by Deutsche Verlags-Anstalt GmbH, Stuttgart. Reprinted by permission of Basic Books, a member of Perseus Books Group and Random House Germany. p. 92 (bottom): The Far Side® by Gary Larson © 1983 FarWorks, Inc. All Rights Reserved. The Far Side ® and the Larson ® signature are registered trademarks of FarWorks, Inc. Used with permission. p. 95: Adapted from Murphy, K. (995, October 2). Medicine discovers a new ally: The clock. Business Week, p. 141. p. 97: © The New Yorker Collection 1993 Mischa Richter from cartoonbank.com. All Rights Reserved. p. 99: From Sylvia S. Mader, Human Biology, 6th ed., p. 250. Copyright © 2000 by The McGraw-Hill Companies, Inc. Reprinted with permission. p. 101: New York Times graphic "Levels of caffiene in various foods" from Blakeslee, S. (1991, August 7) The secrets of caffiene: America's favorite drug. New York Times. Copyright © 1991 by the New York Times Co. Reprinted with permission.

Chapter 5

p. 122: [©] The New Yorker Collection 2001 Christopher Weyant from cartoonbank. com. All Rights Reserved. p. 127: [©] The New Yorker Collection 1995 Gahan Wilson from cartoonbank.com. All Rights Reserved. p. 128: (bottom): Psychology: Making Connections, 1st ed., by Gregory Feist and Erika Rosenberg. Copyright [©] 2010 by The McGraw-Hill Companies, Inc. Reprinted by permission.

Chapter 6

p. 141: © The New Yorker Collection 1994 Roz Chast from cartoonbank.com. All Rights Reserved. p. 144: From Collins, A. M., & Loftus, E. F. (1975). A spreadingactivation theory of semantic processing. Psychological Review, 82, 407-428. Published by The American Psychological Association, adapted with permission. p. 145 (top): © The New Yorker Collection 1983 Ed Fisher from cartoonbank. com. All Rights Reserved. p. 145 (bottom): From Kent Van De Graaff, Human Anatomy, updated 5th ed. Copyright © 2000 by The McGraw-Hill Companies, Inc. Reprinted with permission. p. 151: Reprinted from Journal of Verbal Learning and Verbal Behavior, vol. 13, Loftus, E. F., & Palmer, J. C., "Reconstruction of automobile destruction: An example of the interface between language and memory," pp. 585-589, Copyright 1974, with permission from Elsevier. p. 152: Data from Table 2 (p. 266) from Bahrick, H. P., Hall, L. K., & Berger, S. A. (1996). Accuracy and distortion in memory for high school grades. Psychological Science, 7, 265-269. Reprinted by permission of Blackwell Publishing. p. 154: From ESSENTIALS OF PSYCHOLOGY, Eighth Edition, by Robert Feldman. Copyright © 2009 by The McGraw-Hill Companies, Inc. Reprinted by permission. p. 155 (top): Adapted from Cognitive Psychology, Vol 11/no 3, S. Nickerson & M. J. Adams "Long-term memory for a common object" pp. 287-307. Copyright © 2003 with permission from Elsevier. p. 155 (bottom): © The New Yorker Collection 2003 Frank Cotham from cartoonbank.com. All Rights Reserved.

Chapter 7

p. 168: Bourne et al, Cognitive Processes, "Three Major Categories of Problems" p. 233, © 1979 Prentice-Hall, Inc. Reproduced by permission of Pearson Education, Inc. p. 169 (top): Bourne et al, Cognitive Processes, "Solutions to Problems" p. 268, © 1979 Prentice-Hall, Inc. Reproduced by permission of Pearson Education, Inc. p. 170 (top): The Far Side® by Gary Larson © 1981 FarWorks, Inc. All Rights Reserved. The Far Side ® and the Larson ® signature are registered trademarks of FarWorks, Inc. Used with permission. p. 172 (top-right): © The New Yorker Collection 2005 Leo Cullum from cartoonbank.com. All Rights Reserved. p. 179: © The New Yorker Collection 1983 W. B. Park from cartoonbank.com. All Rights Reserved. p. 181: Reprinted by permission of Basic Books, a member of Perseus Books Group. p. 185 (top): Simulated items similar to those in the Wechsler Adult Intelligence Scale-Third Edition (WAIS-III). Copyright © 1997 NCS Pearson, Inc. Reproduced with permission. All rights reserved. Simulated items similar to those in the Wechsler Intelligence Scale for Children-Fourth Edition (WISC-IV) Copyright © 2003 NCS Pearson, Inc. Reproduced with permission. All rights reserved. p. 185 (bottom): © The New Yorker Collection 1998 Roz Chast from cartoonbank.com. All Rights Reserved. p. 189: Reprinted, with permission, from the Annual Review of Psychology, Volume 33 © 1982 by Annual Reviews www annualreviews.org and Norman D. Henderson, Professor Emeritus.

Chapter 8

p. 207: © The New Yorker Collection 1997 Robert Mankoff from cartoonbank. com. All Rights Reserved. Adapted from Figure 1 (p. 1067) from Shaver, P., Schwartz, J., Kirson, D., & O'Connor, C. (1987). Emotion knowledge: Further exploration of a prototype approach. *Journal of Personality and Social Psychology*, 52, 1061-1086. Published by The American Psychological Association, adapted with permission. p. 215: © The New Yorker Collection 2000 Gahan Wilson from cartoonbank.com. All Rights Reserved.

Chapter 9

p. 228: Source: Adapted from Figure 5 from W. J. Robbins, Growth. Copyright © 1928 by Yale University Press. p. 229: Source: National Center for Health Statistics, 2001. p. 236: Schickedanz et al, Understanding Children & Adolescents, Fig 13.1 p. 440, "Tests of the Principle of Conversation Chart," © 2001 Judith Schickedanz, David Schickedanz, and Peggy Forsyth. Reproduced by permission of Pearson Education, Inc. p. 239: Rest, J. "Developmental hierarchy in preference and comprehension of moral judgment." Unpublished doctoral dissertation. University of Chicago, 1968. p. 243: © The New Yorker Collection 1993 Roz Chast from cartoonbank.com. All Rights Reserved. p. 245: Data from K.E. Boehm & N.B. Campbell, "Suicide: A review of calls to an adolescent peer listening phone service." Child Psychiatry and Human Development, 26, no. 1, 61-66. Reproduced with permission of Ammons Scientific, Ltd. via Copyright Clearance Center. p. 250: "Developmental Influences on Adult Intelligence: The Seattle Longitudinal Study" by Schaie, K.W: Figure 5.7a (p.127). © 2005 by Oxford University Press, Inc. By permission of Oxford University Press. p. 251: © The New Yorker Collection 1993 Roz Chast from cartoonbank.com. All Rights Reserved. p. 253: Dickstein, L. S. "Death Concerns: measurement and correlates." Psychological Reports, 1972, 30, 563-571. © Psychological Reports 1972. Reproduced with permission of Ammons Scientific, Ltd. and Copyright Clearance Center.

Chapter 10

p. 265 (bottom-left): From "Biological dimensions of personality" by H.J. Eysenck (1990). L.A. Pervin (Editor) Handbook of Personality: Theory and Research, p. 246. Copyright © 1990 by Guilford Publications, Inc. Reprinted by permission from Guilford Press. p. 265 (bottom-right): From "The Big Five Personality Factors and Dimensions of Sample Traits," Chapter 3. L.A. Pervin (Editor) Handbook of Personality: Theory and Research, p. 246. Copyright © 1990 by Guilford Publications, Inc. Reprinted by permission from Guilford Press. p. 269: From A. Tellegen, D. T. Lykken, T. J. Bouchard Jr., K. J. Wilcox, N. L. Segal, and S. Rich (1988). "Personality Similarity in Twins Reared Apart and Together. *Journal of Personality and Social Psychology*, 54, 1031-1039. Published by The American Psychological Association, reprinted with permission. p. 274: Reprinted by permission from Sidney Harris. ScienceCartoonsPlus.com.

Chapter 11

p. 282 (top): Reproduced with permission from the British Journal of Social Psychology. © The British Psychological Society. p. 282 (bottom): With kind permission from Springer Science+Business Media: Journal of Behavioral Medicine, "Comparison of two models of stress management: Daily hassles and uplifts versus major life events," 4, no. 1, pp. 1-39, A. D. Kanner, J. C. Coyne, C. Schaefer, and R.S. Lazarus, data from Table III. Original copyright © 1981 by Plenum Publishing Corporation. p. 283: From The Stress of Life, by Hans Seyle. Copyright © 1976 by The McGraw-Hill Companies, Inc. Reprinted by permission. p. 284: Sheldon Cohen, Tom Kamarck, and Robin Mermelstein, "A Global Measure of Perceived Stress." From Journal of Health and Social Behavior, Vol. 24, No. 4 (December 1983), Appendix A. Reprinted by permission from the American Sociological Association. p. 287: © The New Yorker Collection 1995 Edward Koren from cartoonbank.com. All Rights Reserved. p. 291: Reprinted from The Lancet, vol. 325, no. 8431. K. Pettingale, T. Morris, S. Greer, and J. Haybittle, "Mental attitudes to cancer: An additional prognostic factor," p. 750, Copyright 1985, with permission from Elsevier via Copyright Clearance Center. p. 294 (top): From The New York Times, © January 21, 1988 The New York Times. All rights reserved. Used by permission and protected by the Copyright Laws of the United States. The printing, copying, redistribution, or retransmission of the material without express written permission is prohibited. p. 294 (bottom): © The New Yorker Collection 2003 Peter C. Vey from cartoonbank.com. All Rights Reserved. p. 296: From Social Indicators of Well-Being: Americans' Perceptions of Life Quality by F. M. Andrews and S. B. Withey. Copyright © 1976 by Plenum Press. Reprinted with kind permission from Springer Science and Business Media.

Chapter 12

p. 303 (bottom): © The New Yorker Collection 2000 Arnie Levin from cartoonbank.com. All Rights Reserved. p. 306: Abnormal Psychology, Fourth Edition, by S. Nolen-Hoeksema. Copyright © 2007 by The McGraw-Hill Companies, Inc. Reprinted by permission. p. 307: From Anxiety Disorders and Phobias, by Aaron Beck. Copyright © 1985 by Basic Books. Reprinted by permission of Basic Books, a member of Perseus Books Group. p. 309: From Table 3 (p. 65) from Zung, W. W. K. (1965). A self-rating depression scale. Archives of General Psychiatry, 12, 63-70. Copyright © 1965, American Medical Association. All rights reserved. Reprinted with permission. p. 313: Table "The closer the genetic links between two people, the greater the likelihood . . ." from Schizophrenia Genesis, by Irving I. Gottesman. Copyright © 1991 by Irving I Gottesman. Reprinted by arrangement with Henry Holt and Company, LLC. p. 315: From Benton, S.A., et al. (2003). "Changes in counseling center client problems across 13 years. Professional Psychology: Research and Practice, 34, 66-72. Published by The American Psychological Association, reprinted with permission. p. 318: "Lifting the Cloud," from Shock: The Healing Power of Electroconvulsive Therapy by Kitty Dukakis and Larry Tye, Copyright © 2006 by Kitty Dukakis & Larry Tye. Used by permission of Avery Publishing, an imprint of Penguin Group (USA) Inc. p. 320: © The New Yorker Collection 2007 Michael Maslin from cartoonbank.com. All Rights Reserved. p. 321: From Meditation by Herbert Benson, M. D., Benson-Henry Institute for Mind Body Medicine. Reprinted with permission from Dr. Herbert Benson. p. 325: © The New Yorker Collection 2005 Tom Cheney from cartoonbank.com. All Rights Reserved. p. 326 (left): Smith, Mary Lee, Gene V. Glass and Thomas I. Miller. The Benefits of Psychotherapy, p. 89, Table 5.1. © 1980 The Johns Hopkins University Press. Reprinted with permission of The Johns Hopkins University Press. p. 326 (right): Smith, Mare Lee, Gene V. Glass and Thomas I. Miller. The Benefits of Psychotherapy, p. 89, Table 5-1. © 1980 The Johns Hopkins University Press. Reprinted with permission of The Johns Hopkins University Press.

Chapter 13

p. 338: From "Social Neuroscience: Principles of Psychophysiological Arousal and Response" by J.T. Cacioppo, G.G. Berntson, S.L. Crites, Jr. (1996). Social Psychology: Handbook of Basic Principles edited by E.T. Higgins & A.W. Kruglanski. Copyright © 1996 by Guilford Publications, Inc. Reprinted by permission from Guilford Press. p. 341: Adapted from C.A. Anderson, D.S. Krull, & B. Weiner "Explanations: Processes and Consequences." Social Psychology: Handbook of Basic Principles edited by E.T. Higgins and A.W. Kruglanski, p. 274. Copyright © 1996 by Guilford Publications, Inc. Reprinted by permission from Guilford Press. **p. 350**: © The New Yorker Collection 1999 Richard Cline from cartoonbank.com. All Rights Reserved. **p. 352**: Copyright © 1986 by the American Psychological Association. Reprinted with permission. **p. 354**: "Defining Aggression: An Exercise for Classroom Discussion" by L.T. Benjamin, Jr.

Teaching of Psychology, 12(1), 40-42. © 1985. Reprinted by permission of Taylor & Francis Group, http://www.informaworld.com. **p. 356:** Latané, Bibb; Darley, John M., The Unresponsive Bystander: Why Doesn't He Help? 1st ed., © 1970. Reproduced in print and electronic formats by permission of Pearson Education, Inc., Upper Saddle River, New Jersey.