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Plant and Animal Form and Function -- 42. Animal Form and Function. 43. Water and Electrolyte Balance in Animals -- 44. Animal Nutrition -- 45. Gas Exchange and Circulation -- 46. Animal Nervous Systems -- 47. Animal Sensory Systems -- 48. Animal Movement -- 49. Chemical Signals in Animals -- 50. Animal Reproduction -- 51. The Immune System in Animals -- 52. An Introduction to Ecology -- 53. Behavioral Ecology -- 54. Population Ecology -- 55. Community Ecology -- 56. Ecosystems and Global Geology -- 57. Biodiversity and Conservation Biology -- The Big Picture: Ecology -- Appendix: BioSkills -- Appendix: Periodic Table of Elements -- Index.

Sommario/riassunto

Supports and motivates students as they learn to think scientifically and use the skills of a biologist. Scott Freeman's Biological Science is beloved for its Socratic narrative style, its emphasis on experimental evidence, and its dedication to active learning. In the Fifth Edition, the author team has expanded to include new members-bringing a fresh focus on accuracy and currency, and multiplying the dedication to active learning by six. Research indicates that true mastery of content requires a move away from memorization towards active engagement with the material in a focused, personal way. Biological Science is the first introductory biology text designed to equip students with a strategy to accurately assess their level of understanding, predict their performance, and identify the types of cognitive skills that need improvement. .