Raven and Johnson 9th ed	Campbell 7th Edition
Chapter 1. The Science of Biology	**1. Introduction: Exploring Life.**
Chapter 2. The Nature of Molecules and the Properties of Water	**3. Water and the Fitness of the Environment.**
Chapter 3. The Chemical Building Blocks of Life	**2. The Chemical Context of Life.**
	4. Carbon and the Molecular Diversity of Life.
	5. The Structure and Function of Macromolecules
Chapter 4. Cell Structure	**6. A Tour of the Cell.**
Chapter 5. Membranes	**7. Membrane Structure and Function.**
Chapter 6. Energy and Metabolism	**8. An Introduction to Metabolism.**
Chapter 7. How Cells Harvest Energy	**9. Cellular Respiration: Harvesting Chemical Energy.**
Chapter 8. Photosynthesis	**10. Photosynthesis.**
Chapter 9. Cell Communication	**11. Cell Communication.**
Chapter 10. How Cells Divide	**12. The Cell Cycle.**
Chapter 11. Sexual Reproduction and Meiosis	**13. Meiosis and Sexual Life Cycles.**
Chapter 12. Patterns of Inheritance	**14. Mendel and the Gene Idea.**
Chapter 13. Chromosomes, Mapping, and the Meiosis-Inheritance Connection	**15. The Chromosomal Basis of Inheritance.**
Chapter 14. DNA: The Genetic Material	**16. The Molecular Basis of Inheritance.**
Chapter 15. Genes and How They Work	**17. From Gene to Protein**
Chapter 16. Control of Gene Expression	**19. Eukaryotic Genomes: Organization, Regulation, and Evolution.**
	18. The Genetics of Viruses and Bacteria.
Chapter 17. Biotechnology	**20. DNA Technology and Genomics.**
Chapter 18. Genomics	**20. DNA Technology and Genomics.**
Chapter 19. Cellular Mechanisms of Development	**21. The Genetic Basis of Development.**
Chapter 20. Genes Within Populations	**23. The Evolution of Populations**
Chapter 21. The Evidence for Evolution	**22. Descent with Modification: A Darwinian View of Life.**
Chapter 22. The Origin of Species	**24. The Origin of Species.**
Chapter 23. Systematics and the Phylogenetic Revolution	**25. Phylogeny and Systematics.**
Chapter 24. Genome Evolution	
Chapter 25. Evolution of Development	
Chapter 26. The Tree of Life	**26. The Tree of Life: An Introduction to Biological Diversity.**
Chapter 27. Viruses	

Chapter 28. Prokaryotes	**27. Prokaryotes**
Chapter 29. Protists	**28. The Origins of Eukaryotic Diversity.**
Chapter 30. Green Plants	**29. Plant Diversity I: How Plants Colonized Land.**
	30. Plant Diversity II: The Evolution of Seed Plants.
Chapter 31. Fungi	**31. Fungi.**
Chapter 32. Overview of Animal Diversity	**32. An Introduction to Animal Evolution.**
Chapter 33. Noncoelomate Invertebrates	**33. Invertebrates.**
Chapter 34. Coelomate Invertebrates	**33. Invertebrates.**
Chapter 35. Vertebrates	**34. Vertebrate Evolution and Diversity.**
Chapter 36. Plant Form	**35. Plant Structure, Growth, and Development**
Chapter 37. Vegetative Plant Development	
Chapter 38. Transport in Plants	**36. Transport in Vascular Plants**
Chapter 39. Plant Nutrition and Soils	**37. Plant Nutrition**
Chapter 40. Plant Defense Responses	
Chapter 41. Sensory Systems in Plants	**39. Plant Responses to Internal and External Signals**
Chapter 42. Plant Reproduction	**38. Angiosperm Reproduction and Biotechnology.**
Chapter 43. The Animal Body and Principles of Regulation	**40. Basic Principles of Animal Form and Function.**
Chapter 44. The Nervous System	**48. Nervous Systems.**
Chapter 45. Sensory Systems	**49. Sensory and Motor Mechanisms.**
Chapter 46. The Endocrine System	**45. Chemical Signals in Animals.**
Chapter 47. The Musculoskeletal System	
Chapter 48. The Digestive System	**40. Basic Principles of Animal Form and Function.**
Chapter 49. The Respiratory System	**42. Circulation and Gas Exchange**
Chapter 50. The Circulatory System	**42. Circulation and Gas Exchange.**
Chapter 51. Osmotic Regulation and the Urinary System	**44. Regulating the Internal Environment.**
Chapter 52. The Immune System	**43. The Immune System.**
Chapter 53. The Reproductive System	**46. Animal Reproduction.**
Chapter 54. Animal Development	**47. Animal Development.**
Chapter 55. Behavioral Biology	**51. Animal Behavior and Behavioral Ecology.**
Chapter 56. Ecology of Individuals and Populations	**52. Population Ecology.**
Chapter 57. Community Ecology	**53. Community Ecology.**
Chapter 58. Dynamics of Ecosystems	**54. Ecosystems.**

Chapter 59. The Biosphere	**50. An Introduction to Ecology and the Biosphere.**
Chapter 60. Conservation Biology	**55. Conservation Biology and Restoration Ecology.**