\*For more in-depth scheduling suggestions, see the margin notes in Life Science Teacher’s Edition and Life Science Lab Manual Teacher’s Edition.

\*\*These Bible integration topics are covered in the teacher’s edition margin notes and are not directly covered in the student text.

†These investigations are carried out over several class days or even several weeks. See the margin notes in Life Science Teacher’s Edition and Life Science Lab Manual Teacher’s Edition for more detailed scheduling instructions.

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Lesson Plan Overview

| Day(s) | Topic | Pages | Support Materials\* | Bible Integration |
| --- | --- | --- | --- | --- |
| Unit 1: Foundations of Life Science | | | | |
| Chapter 1: The World of Life Science | | | | |
| 1 | Introduction to Life Science | viii–xi |  | Purpose of studying life science |
| 2 | 1A What Is Science? | 2–9 | Application 1a: Searching for the Truth | Model-making nature of science  Limitations of science  Effects of presuppositions in science  Reasons for studying science  Biblical view of science |
| 3 | 1B Why Take a Christian Approach? | 9–16 | Class Investigation 1d: Is Measuring Accurate? | Contrast between naturalistic and biblical worldviews  The Flood and fossils  Image of God in man  Creation Mandate  Effects of the Fall and man’s sin  Redemption found in Christ |
| 4 | 1C How Do Scientists Work? | 16–22 | Application 1b: The Scientific Method  Application 1c: Defining the Problem and Forming a Hypothesis | Life of service in science for God’s glory |
| 5 |  |  | Class Investigation 1e: Popcorn Science |  |
| 6 | Chapter 1 Review | | | |
| 7 | Chapter 1 Test | | | |
| Chapter 2: Characteristics and Classification of Life | | | | |
| 8 | 2A Life and Cells | 28–35 | Application 2a: Being Alive  Application 2b: The Cell Theory | Creation “after their kind”  God as the Creator and Source of life  Physical and spiritual life  Gaia theory contrasted with a biblical worldview |
| 9 | Class Investigation 2j: The pH of Life Substances |
| 10 | 2B Molecules and Life | 35–39 | Application 2c: Cellular Functions  Application 2d: Molecules and Life  Field Investigation 2m: Grouping Plants by Characteristics† | Molecules as an example of God’s provision for His creatures  Stewarding resources God has given us in creative and helpful ways |
| 11 |  |  | Class Investigation 2k: Protein in Life Substances  or  Class Investigation 2l: The Action of Enzymes |  |
| 12 | 2C Classification of Life | 39–48 | Application 2e: The Modern Classification System | Classifying life as a fulfillment of the Creation Mandate  Biblical perspective on humans’ relationship to the animal kingdom  Role of names in the Bible  Evolutionary assumptions in the modern classification system  Species versus biblical kinds |
| 13 | Application 2f: Scientific Names  Application 2g: The Living Kingdoms  Application 2i: Classification Review |
| 14 | Application 2h: Using a Dichotomous Key |
| 15 | Chapter 2 Review | | | |
| 16 | Chapter 2 Test | | | |
| Chapter 3: Cell Structure | | | | |
| 17 | 3A Cell Membranes | 53–59 | Application 3a: Membranes and Their Important Properties | Complexity of life as a testimony to God’s benevolent design  Difficulty of evolution to explain the cell’s complexity  God’s glory declared in His creation\*\* |
| 18 |  |  | Class Investigation 3e: Diffusion Rates  or  Class Investigation 3f: Osmosis† |  |
| 19 | 3B Typical Parts of Cells | 59–66 | Application 3c: Typical Parts of Cells |  |
| 20 | Class Investigation 3g: How to Use a Microscope  Application 3b: The Compound Light Microscope |
| 21 |
| 22 | 3C Types of Cells | 66–69 | Class Investigation 3i: Turgor Pressure  Application 3d: Review | Irreducible complexity and design in the cell  Serving God as a pathologist |
| 23 |  |  | Class Investigation 3h: Observing Cells with a Microscope |  |
| 24 | Chapter 3 Review | | | |
| 25 | Chapter 3 Test | | | |
| Chapter 4: Cell Activities | | | | |
| 26 | 4A Order Among Cells | 75–78 | Application 4a: Division of Labor | Stewardship of the bodies God has given us  Functions of the different parts of the human body as an example of functions in the body of Christ (1 Cor. 12) |
| 27 | 4B Cellular Respiration | 78–83 | Class Investigation 4e: Aerobic Cellular Respiration†  Application 4b: Cellular Respiration | Origin of energy and matter\*\*  The problem that irreducible complexity in cellular activities presents for evolution  Cellular respiration as a marvelous example of God’s handiwork  Leaven in the Bible |
| 28 | Class Investigation 4f: Anaerobic Cellular Respiration† |
| 29 | 4C Photosynthesis | 83–86 | Application 4c: Photosynthesis | A Christian versus a secular view of photosynthesis and its role in maintaining life |
| 30 | Class Investigation 4g: Starch from Photosynthesis†  Application 4d: Review |
| 31 | Chapter 4 Review | |  |  |
| 32 |
| 33 | Chapter 4 Test | | | |
| Unit 2: Heredity and the Origin of Life | | | | |
| Chapter 5: The Cell Cycle and Protein Synthesis | | | | |
| 34 | 5A Genes and Cell Division | 94–101 |  | Cell division and finding treatments for cancer  God’s knowledge of us from the womb |
| 35 | Application 5a: The Cell Cycle |
| 36 | Application 5b: Sexual and Asexual Reproduction  Application 5c: Genes and Mitosis |
| 37 |  |  | Class Investigation 5e: The Phases of Mitosis |  |
| 38 | 5B How Genes Function | 101–7 | Application 5d: How Genes Function | Design in DNA that drove Antony Flew to deism  Using the resources God has given us to solve problems and help people  Effects of the Fall and the need for spreading the gospel\*\*  Irreducible complexity in protein synthesis  Necessity of the Bible, not just the physical creation, to tell us about the Designer |
| 39 | Class Investigation 5f: A Model of DNA, RNA, and Protein Synthesis |
| 40 | Chapter 5 Review | | | |
| 41 | Chapter 5 Test | | | |
| Chapter 6: Genetics of Organisms | | | | |
| 42 | 6A The Origin of Modern Genetics | 113–18 | Application 6a: Modern Genetics | Genetics revealing the orderliness and diversity of creation |
| 43 | 6B Heredity | 118–25 | Application 6d: Punnett Squares (Simple Dominance)  Application 6e: Genetics Problems (Simple Dominance) |  |
| 44 | Application 6d: Punnett Squares (Multiple Alleles, Incomplete Dominance)  Application 6e: Genetics Problems (Incomplete Dominance, Multiple Alleles) |
| 45 | Class Investigation 6f: Inheritance of Traits |
| 46 | Application 6d: Punnett Squares (Sex-Linked Traits)  Application 6e: Genetics Problems (Sex-Linked Traits) |
| 47 | 6C Genetic Disorders | 125–27 | Application 6b: Genes, Chromosomes, and Heredity | Genetic disorders and God’s sovereignty  God’s control of human development  Sanctity of human life  The Bible and abortion  Sin as the cause of pain in the world  The Bible and discrimination\*\* |
| 48 | Chapter 6 Review | | Application 6c: Review |  |
| 49 | Chapter 6 Test | | | |
| Chapter 7: Genetic Changes and Biotechnology | | | | |
| 50 | 7A Mutations | 133–38 |  | Grace of God in allowing man to solve problems  Absolute authority of God’s Word in guiding our thoughts and actions  The Curse and the Flood as two major global changes  Biotechnology and the value of human life  Mutations and the Fall  Biblical versus secular view of mutations  Beneficial mutations and creation versus evolution\*\* |
| 51 | 7B Genetic Engineering | 139–43 | Application 7a: Mutations | Serving God as a livestock breeder  Biblical perspective on genetic engineering  Spiritual nature of man  Stewardship of God’s creation  Impossibility of man producing a perfect world |
| 52 | 7C Cloning | 143–46 | Application 7b: Our Use of Genetics | Biblical perspective on cloning  Jacob and Esau as an example of twins in the Bible\*\* |
| 53 | 7D Stem Cell Technology | 146–47 | Class Investigation 7d: Observing Radiation Effects on Seedlings | Biblical perspective on stem cell research  Sanctity of human life |
| 54 | Chapter 7 Review | | Application 7c: Review |  |
| 55 | Chapter 7 Test | | | |
| Chapter 8: In the Beginning | | | | |
| 56 | 8A Biblical Creationism | 154–62 | Application 8a: What the Bible Teaches About Creation | Role of faith in beliefs about origins  Contrast between biblical creationism and evolutionism  The Bible as our authoritative source  Summary of the Bible’s teachings on Creation  Literal view of Creation  Nonliteral views of Creation  The age of the earth  Evolutionary vs. creationary interpretations of fossils  The Bible and dinosaurs  Dinosaurs and problems for evolution  The Flood and Noah’s ark |
| 57 | Personal Investigation 8e: The Scale of Noah’s Ark† |
| 58 | 8B History of Evolutionary Theory | 163–70 | Application 8b: Review | Evaluating evolution in light of God’s truth  Natural selection and speciation  Evaluating Lamarck’s, Darwin’s, and De Vries’s theories  Evaluating modern evolutionary theories  Evaluating intelligent design |
| 59 | Research Investigation 8f: Dinosaurs† |
| 60 | 8C A Record of Evolution? | 171–76 | Research Investigation 8h: Evolutionary Family Trees | Evaluating the “evidences” of evolution  The fossil record  Speciation and biblical kinds  Ultimate question of origins  God’s creation of and continued direction of the processes we observe in the world |
| 61 | Application 8c: Defining Concepts of Evolution  Application 8d: A Record of Evolution |
| 62 |  |  | Class Investigation 8g: Making a New Gene |  |
| 63 | Chapter 8 Review | | | |
| 64 | Chapter 8 Test | | | |
| Unit 3: Microbiology and Plant Biology | | | | |
| Chapter 9: The Microscopic World | | | | |
| 65 | 9A Kingdoms Archaebacteria and Eubacteria | 184–91 |  | The microscopic world as a hidden menace of the Fall but also as an unseen mercy of God’s sustenance  The problems that archaebacteria present for evolution  Antibiotic-resistant bacteria and evolution |
| 66 | Application 9a: Kingdoms Archaebacteria and Eubacteria |
| 67 |  |  | Class Investigation 9d: Graphing Bacterial Growth |  |
| 68 | 9B Kingdom Protista | 191–96 |  | Evolutionary versus creationary views on the origin of protozoans |
| 69 | Class Investigation 9e: Observing Protists |
| 70 | 9C Kingdom Fungi | 196–200 | Class Investigation 9f: Examining a Mushroom†  Application 9b: Kingdom Fungi | Fungi as examples of the effects of the Fall and of God’s involvement in maintaining His world  Views on the origin of eukaryotic and prokaryotic cells |
| 71 |  |  | Class Investigation 11g: Factors That Affect Germination† |  |
| 72 | Chapter 9 Review | | Application 9c: Review |  |
| 73 | Chapter 9 Test | | | |
| Chapter 10: Structure and Function of Plants | | | | |
| 74 | 10A Plant Structure | 206–13 | Class Investigation 10g: How Much Water Is Lost During Transpiration?† | The plant world bearing testimony of an omniscient, benevolent Creator |
| 75 | Application 10a: Root and Leaf Structure  Class Investigation 10i: Gravitropism in Seedlings†  Application 10b: Structures and Functions of Plants |
| 76 | 10B Plant Functions | 213–20 | Application 10c: Photosynthesis and Leaves | Psalm 1 and a Christian’s need for God’s Word  Trusting the Lord (Job 8)\*\*  Using plant hormones to meet people’s needs |
| 77 | Class Investigation 10f: Leaf Design and Function |
| 78 |  |
| 10C Plant Responses | 220–22 | Biblical view of tropisms in plants contrasted with an evolutionary view |
| 79 |  |  | Class Investigation 10h: Is Light Necessary for Photosynthesis?† |  |
| 80 | Chapter 10 Review | | Application 10d: Plant Anatomy Review  Application 10e: Plant Physiology Review |  |
| 81 | Chapter 10 Test | | | |
| Chapter 11: Plant Classification and Reproduction | | | | |
| 82 | 11A Plant Classification | 228–35 | Class Investigation 12j: Butterfly Metamorphosis†  Application 11a: Major Plant Groups | Fossilized ferns and a biblical worldview  Serving God as a horticulturist |
| 83 | Field Investigation 11e: Moss Structures |
| 84 | 11B Plant Reproduction | 235–42 | Class Investigation 11f: Flower Dissection  Application 11b: Flowers | God’s creation of the ability to reproduce  Plants as a testimony to God’s glory, beauty, and design of nature  Evolution of plants and a creationist response\*\*  The lily of the field as an illustration of God’s care for us  Evolution and pollen in Grand Canyon strata  Comparison of fruit growth and spiritual growth (Luke 6; Galatians 5) |
| 85 | Application 11c: Pollination and Scattering Seeds |
| 86 | Chapter 11 Review | | Application 11d: Review |  |
| 87 | Chapter 11 Test | | | |
| Unit 4: The Animal Kingdom | | | | |
| Chapter 12: The Invertebrates | | | | |
| 88 | 12A Introduction to the Animal Kingdom  12B Sponges and Cnidarians | 250–52  252–55 |  | Role of invertebrates in God’s creation  Differences between plants and animals in the Bible\*\* |
| 89 | 12C Flatworms and Roundworms | 255–58 | Application 12a: Sponges and Jellyfish  Application 12b: The Planarian: A Type of Flatworm | The Fall as the origin of parasitic organisms  King Herod and “worms” in the Bible\*\* |
| 90 | Research Investigation 12i: Other Sponges, Jellyfish, and Worms† |
| 91 |  |  | Class Investigation 12h: Earthworm Dissection |  |
| 92 | 12D Segmented Worms: The Earthworm | 259–62 | Application 12c: The Earthworm |  |
| 93 | 12E Mollusks and Echinoderms | 262–65 |  | Role of mollusks and echinoderms in creation |
| 94 | 12F Arthropods | 266–70 | Application 12d: Mollusks | God’s design of arthropods  Insects in the Bible  Learning from the ant in Proverbs |
| 95 | Application 12f: Arthropods  Application 12e: Insect Life Cycles |
| 96 | Chapter 12 Review | | Application 12g: Review |  |
| 97 | Chapter 12 Test | | | |
| Chapter 13: The Cold-Blooded Vertebrates: Fish, Amphibians, and Reptiles | | | | |
| 98 | 13A Introduction to Vertebrates | 276–79 | Application 13a: Endothermic vs. Ectothermic | Studying animals to see God’s greatness and to be better stewards of God’s creation |
| 99 | 13B Body Systems in Vertebrates | 279–87 |  | The theme of blood in the Bible  The vertebrate heart as evidence of design and irreducible complexity  Biomimicry and the image of God in man |
| 100 | Application 13b: Vertebrate Digestive System |
| 101 | 13C Fish | 287–89 | Application 13c: Body Systems in Vertebrate Animals | God’s design of fish |
| 102 |  |  | Class Investigation 13e: Fish Respiration Rates |  |
| 103 |  |  | Class Investigation 13f: Frog Dissection  Class Investigation 15e: Myrmecology: The Study of Ants† |  |
| 104 |  |  |  |
| 105 | 13D Amphibians  13E Reptiles | 289–93  293–96 |  | God’s care for His creation |
| 106 | Chapter 13 Review | | Application 13d: Fish, Amphibians, and Reptiles |  |
| 107 | Chapter 13 Test | | | |
| Chapter 14: The Warm-Blooded Vertebrates: Birds and Mammals | | | | |
| 108 | 14A Birds | 302–6 | Research Investigation 14f: Man vs. Beast† | Birds and mammals as a showcase of God’s power and glory  God’s special design of birds for flight  God’s care for His creation (Luke 12) |
| 109 | 14B Mammals | 306–13 | Application 14a: Birds | Man as a special creation with a spiritual nature and made in God’s image  Man, primates, and evolution  Loving God and others with biomimicry |
| 110 | Class Investigation 14d: Conserving Body Heat: Wool vs. Down  Application 14b: Mammals |
| 111 |  |  | Class Investigation 14e: Observing Feathers and Hair |  |
| 112 | Chapter 14 Review | | Application 14c: Review |  |
| 113 | Chapter 14 Test | | | |
| Chapter 15: Animal Behavior and Reproduction | | | | |
| 114 | 15A Animal Behavior | 318–25 | Field Investigation 15f: An Animal’s Response to Its Environment†  Application 15a: Innate and Learned Behaviors | God’s wisdom in designing animals’ behavior patterns  Evolutionary and biblical views of migration and instincts  Using life science to help others and serve God  God as the Provider of our needs\*\* |
| 115 | 15B Animal Reproduction | 326–32 | Research Investigation 15h: Animal Reproduction Worksheet†  Application 15b: Animal Behavior Review | Death and reproduction after the Fall  Diversity God designed in animal reproduction  Biblical command to honor parents\*\*  Animals in Psalm 104\*\*  Serving God as a marine biologist |
| 116 | Application 15c: Animal Reproduction |
| 117 |  |  | Personal Investigation 15g: Sexual Reproduction: Means of Amazing Variation |  |
| 118 | Chapter 15 Review | | Application 15d: Animal Reproduction Review |  |
| 119 | Chapter 15 Test | | | |
| Unit 5: Interactions in the Environment | | | | |
| Chapter 16: Relationships in Ecosystems | | | | |
| 120 | 16A Ecology and Ecosystems | 340–43 | Class Investigation 17f: Overcrowding†  Field Investigation 16g: Backyard Ecosystems† | Biblical view of the relationship between animals and humans\*\*  Stewardship of resources  The effect of the Fall on stewardship |
| 121 | 16B The Abiotic Environment | 343–48 | Application 16b: The Water Cycle | God as the Overseer of all aspects of ecosystems |
| 122 | 16C The Biotic Community | 348–53 | Class Investigation 16f: The Biotic Community of the Soil†  Application 16a: Ecosystems  Application 16c: Succession on a Volcano | Organization in God’s creation  Limiting factors to spiritual growth |
| 123 |  |
| 124 | 16D Rhythms in the Ecosystem | 353–58 | Application 16d: Rhythms in the Ecosystem | Rhythms in creation designed by God  Evolutionary view of rhythms and mutations and creationist response  Learning about rhythms in nature to be better stewards of God’s creation |
| 125 | Chapter 16 Review | | Application 16e: Review |  |
| 126 | Chapter 16 Test | | | |
| Chapter 17: Relationships Among Organisms | | | | |
| 127 | 17A Energy Exchange Between Organisms | 364–69 | Personal Investigation 17e: Your Food Chain† | God’s design of the relationships among organisms  Ecology and stewarding God’s creation |
| 128 | 17B Relationships Between Organisms of the Same Species | 369–76 | Field Investigation 17h: Observing Relationships†  Application 17a: Energy Exchange Between Organisms | Learning diligence from the ant (Prov. 6)  Camouflage, warning coloration, and mimicry in God’s design for animals |
| 129 | 17C Relationships Between Organisms of Different Species | 376–80 | Application 17b: Bible Creatures and Their Food Chain Positions  Application 17c: Food Webs | Creation, Fall, death, and carnivorousness  Jesus Christ as the only answer to a person’s sin problem |
| 130 |  |  | Class Investigation 17g: Lichens |  |
| 131 | Chapter 17 Review | | Application 17d: Organism Relationships |  |
| 132 | Chapter 17 Test | | | |
| Chapter 18: Man’s Relationship with the Environment | | | | |
| 133 | 18A Living Things as Natural Resources | 386–93 |  | Ecology and caring for and using God’s creation  God’s provision of natural resources  Poverty, stewardship, and natural resources  Taming animals and taming the tongue (James 3)\*\*  Extinct and endangered species and the Flood  Farming and logging in the Bible \*\* |
| 134 | 18B Man’s Role in the Ecosystem | 393–99 | Application 18a: Natural Resources | Population growth and a biblical worldview  Biblical and secular views of global warming\*\*  Loving my neighbor by meeting their physical needs  Conservation and wise stewardship |
| 135 | 18C Pollution | 399–405 | Personal Investigation 18c: Estimates† | Pollution and Christian stewardship  Serving God as an environmental engineer  Serving God with ecology |
| 136 |  |  | Application 18b: Man’s Role in the Ecosystem  Class Investigation 18d: Recycling Paper |  |
| 137 | Chapter 18 Review | |  |  |
| 138 | Chapter 18 Test | | | |
| Unit 6: The Complex Design of the Human Body | | | | |
| Chapter 19: Support and Movement | | | | |
| 139 | 19A Introduction to the Human Body  19B The Integumentary System | 412–15  416–21 |  | Biblical view of what it means to be human—created in God’s image, having a spiritual nature, accountable to God, sinners in need of salvation  The deity and humanity of Christ\*\*  Christ as Savior and Mediator\*\* |
| 140 | Class Investigation 19e: Structure of the Skin |
| 141 | 19C The Skeletal System | 422–27 | Application 19a: Human Skin | God’s design of skin  Biblical view of people as all one race  Biblical condemnation of partiality (James 2)  God’s promises and the comparison of Israel to dead bones (Ezek. 37) |
| 142 | Class Investigation 19f: Observing a Beef Bone |
| 143 | 19D The Muscular System | 428–32 | Application 19b: The Skeletal System  Class Investigation 19h: The Structure of Bones and Muscles  Application 19c: The Muscular System |  |
| 144 | Class Investigation 19g: Heat from Muscles |
| 145 | Chapter 19 Review | | Application 19d: Review |  |
| 146 | Chapter 19 Test | | | |
| Chapter 20: Internal Balance | | | | |
| 147 | 20A A Balancing Act  20B The Blood | 438–40  440–46 |  | Biblical imperative to do good to all men  Jesus’ crucifixion and the blood and water that came from His side  Jesus’ death and resurrection to provide salvation  Christ’s sweating drops of blood\*\*  Serving God as a phlebotomist |
| 148 | Application 20b: The Circulatory System† |
| 149 |  |  | Class Investigation 20e: Blood |  |
| 150 | 20C The Blood Vessels and Heart | 447–54 |  | God’s design of the heart  High blood pressure, stress, and God’s sovereignty |
| 151 | Class Investigation 20f: Observing a Cow Heart  Application 20a: The Heart |
| 152 |  |  | Class Investigation 20g: Using a Stethoscope  or  Class Investigation 20h: Increasing Heart Rate |  |
| 153 | 20D The Immune System and Defense Against Disease | 455–61 |  | The Fall and the Curse, disease, death, and God’s provision of an immune system  A biblical response to those suffering from HIV/AIDS |
| 154 | Application 20c: The Body’s Defense System |
| 155 | 20E The Excretory System | 461–63 | Application 20d: The Excretory System |  |
| 156 | Chapter 20 Review | | | |
| 157 | Chapter 20 Test | | | |
| Chapter 21: Energy | | | | |
| 158 | 21A The Respiratory System | 468–74 |  | Using information to glorify God and help others  Irreducible complexity and the respiratory system |
| 159 | Class Investigation 21d: Respiration  Application 21a: The Respiratory System |
| 160 |  |
| 161 | 21B The Digestive System | 474–84 | Application 21b: The Digestive System  Class Investigation 21e: Digestive Enzymes | The Bible’s discussion of physical problems with spiritual causes |
| 162 |
| 163 | Chapter 21 Review | | Application 21c: Review |  |
| 164 | Chapter 21 Test | | | |
| Chapter 22: Control | | | | |
| 165 | 22A The Nervous System | 490–97 |  | Human body as “fearfully and wonderfully made” (Ps. 139:14)  God’s design of reflexes  The Christian’s thought life  Biblical vs. evolutionary view of life\*\*  Nervous system pointing to a Master Designer |
| 166 | Application 22a: The Nervous System  Application 22b: Bob Uses His Brain |
| 167 | 22B The Sense Organs | 497–504 | Class Investigation 22g: The Pupil Reflex  Class Investigation 22h: Afterimages  Application 22c: The Eye and Ear  Class Investigation 22f: The Skin’s Sensation of Temperature | The sense organs as a testimony to God’s design  The “senses” of Christians\*\*  The anatomical arrangement of the eye and evolution vs. creation\*\* |
| 168 |
| 169 | 22C The Endocrine System | 505–10 |  | Evolution and vestigial organs  The Christian’s response to stress\*\*  The nervous and endocrine systems as pointing to an omniscient, omnipotent Creator |
| 170 | Application 22d: The Endocrine System |
| 171 | Chapter 22 Review | | Application 22e: Review |  |
| 172 | Chapter 22 Test | | | |
| Chapter 23: Health | | | | |
| 173 | 23A A Biblical Approach to Health | 516–19 | Personal Investigation 23g: Counting Calories†  Application 23b: Metabolic Rate | Stewardship of the bodies God has given us  Future resurrection of the body  Growing in Christlikeness  Maturity |
| 174 | 23B Nutrition | 519–27 | Application 23a: Metabolism | Spiritual energy from God’s Word  Serving God as a nutritionist |
| 175 | Application 23c: Nutrition and Food Labels |
| 176 |  |  | Class Investigation 23h: Burning Calories with Exercise  Field Investigation 23f: Collecting Bacteria† |  |
| 177 | 23C Drugs | 527–32 | Application 23d: Drugs | Smoking and glorifying God with our bodies (1 Cor. 6)  Biblical response to drug abuse  Sin as the source of man’s problems and Christ as the only solution  Happiness found only in Christ\*\* |
| 178 | 23D Disease | 533–36 | Application 23e: Disease | The Fall as the source of death and disease  Reasons God may allow disease in a person’s life  God’s design to help us fight disease  God’s sovereignty in all things\*\* |
| 179 | 23E Going Forward from Life Science | 537 |  | Irreducible complexity  Science as a way to learn more about the Creator  Life science and the wisdom, power, and glory of our Creator  Praising and serving God with life science as a reasonable response to what He has done for us |
| Chapter 23 Review | |
| 180 | Chapter 23 Test | | | |