

Index

- abiogenesis, 173–175
- Adam
 - Anglican tradition on, 188
 - genetic evidence of, 181–182, 188–189, 196
 - in Hebrew texts, meaning of, 187
 - as *Homo sapiens*, 181
 - literal and symbolic interpretations of, 165–166, 184, 186–189
 - original sin of, 117, 182
- Adam and Eve
 - biblical account of creation of, 178, 184, 187
 - genetic approach to, 179, 184–185
 - interbreeding with hominids, 181–182
 - possibility of historical, 178, 181, 183–184
 - progenitors of, 183
 - Swamidass' hypothesis of, 181–182
- Adams, Robert, 154
- adoptionism, 55
- Alexander, R. D., 161
- allele, 112, 122, 124, 157, 179
- altruism
 - among animals, 156, 158–159
 - among humans, 158–159, 161–162
 - definition of, 157
 - development of, 161–162
 - happiness and, 161
 - inclusive fitness and, 157–158
 - mutual benefits of, 157–158
 - natural selection and, 206
 - principle of natural selection and, 157
 - reciprocal, 157–159, 217
- Amos, the prophet, 49
- animal pain
 - scientific studies of, 195–196
 - theological explanations of, 192–194, 196
- animals
 - altruism among, 156, 158–159
 - brain activity, 156
 - empathetic behavior of, 195
- Answers in Genesis, 95
- antecedent probability, 212–213
- Anthropic Principle in cosmology, 43
- anti-realism, 17–18, 34, 151–152
- apes, 7
- Apollinarianism, 58
- argument from design, 209
- Arianism, 13, 51, 56
- Aristotle
 - classification of living things, 68
 - on happiness, 217
 - on human being, 14
 - Physics*, 167
 - on universe, 21, 167, 172

- Arnold, William, 184
 asexual reproduction, 107
 astronomy, 21, 23, 25
 Athanasius, Saint, 63
 atheism, 34, 36, 206
 Atkins, Peter, 172
 Atonement doctrine, 8, 60, 185
 Augustine, Bishop of Hippo, Saint
 criticism of passionate sex, 117–118
 on interpretations of biblical texts, 23
 on “ordering of the affections,” 218
 on original sin, 116–118
 theory of pain and death, 192
 Avery, O. T., 83
 Avise, John, 37
 Ayala, Francisco, 37, 79, 179
 Ayer, A. J., 35
- Bacon, Francis, 26
 Barbour, Ian, 29–30
 Barr, Stephen, 172
 Barth, Karl, 39
 bases (base pairs), 88
 Basil, the Great, Saint, 194
 Beall, Jc, 61
 Beecher, Henry Ward
 Evolution and Religion, 97
 Behe, Michael
 Darwin’s Black Box, 37
 Bergson, Henri, 93
 Bering, Jesse, 201
 Berzelius, Jön Jacob, 93
 Bethany, village, 50
 Big Bang theory, 165, 167, 171, 196, 224
 biochemistry, 79
 biodiversity, 80
 biogenesis, 174
 biogeography, 79
 biological life
 probability of, 213–214
 BioLogos, 99
- biology. *See also* Christology-biology
 interaction
 central dogma of, 77
 Christian worldview and, 198, 212–215
 definition of, 14
 development of, 2, 68
 eschatological future of, 220
 geography and, 79
 naturalist worldview and, 141, 212–215
 realist interpretation of, 44–46
 Scientific Revolution and, 27–28
 theology and, 17, 20
 theoretical foundation of, 70
 biopsychospiritual unity, 119
 Blackmore, Susan, 216
 Blumenbach, Johann, 93
 Bonnet, Charles, 107
 Boyle, Robert, 27
 brain activity, 139
 Breck, John, 187
 Buffon, Georges-Louis, 69
 Bultmann, Rudolph, 17
- Calvin, John, 126
 Cambrian period, 185
 Campbell, Victoria, 195
canis lupus (gray wolf), 69
 Carnap, Rudolf, 18
 Catastrophism, 69
 Chalcedon, Council of, 54, 57–58
 Chalcedonian Christology
 definition of Faith, 14
 evolutionary biology and, 20
 on human being, 14
 Human Genome Project and, 3, 12–13
 on human holism, 135
 Incarnation doctrine, 2
 on nature of Christ, 14, 143, 145

Index

237

- Chambers, Robert
 Vestiges of the Natural History of
 Creation, 70
- chance
 biological evolution and, 127–128,
 209–210, 217
 God's relation to, 126, 210
 naturalism and, 213
 physical sciences and, 126, 128
 reproductive process and, 129
 theological thinking and, 127, 210
 within and among the possible
 world, 211
- Christ Event, 199, 224
- Christian doctrine of creation, 52,
 220, 224
 out of nothing, 171
 science and, 175–176
 vs. Genesis imagery of creation,
 176
- Christian theism
 on origin of life, 213–215
 philosophical naturalism vs., 170
 on Trinitarian God, 215
- Christian worldview
 false stereotypes, 220
 on human creation, 220
 on meaning of life, 215–216,
 218–219
 vs. naturalist worldview, 212–215
- Christianity
 competing worldviews of, 198
 evolutionary theory and, 98–99, 198
 on love, 206
 perspective on religions, 205
 as “reversing evolution,” 206
 science and, 1, 20–21, 98, 208,
 223
 on spiritual dimension of nature, 205
- Christology. *See also* Chalcedonian
 Christology; Kenotic
 Christology; Orthodox
 Christology
- Darwinism and, 207–209, 211
 genetics and, 1, 21, 115, 199
 realist view of, 44–45
 value of, 207–208
- Christology–biology interaction
 central proposition in, 223
 genetics and, 13, 16, 101
 integration model of, 20, 44, 131,
 163, 224
 interdisciplinary investigation of, 3
 in respect of resurrection, 138
 science-religion debate and, 1, 5,
 19, 32, 46
 truth-claims, 12
 understanding of reality and, 224
 Virgin Birth and, 101–102
- chromosome fusion events, 88, 90
- chromosomes, 75, 88, 123–124
- Churchland, Patricia, 142, 146–147
- Clement of Alexandria, 10
- Clement of Rome, 116
- cognitive science of religion (CSR),
 201
- Collins, Francis, 80
- Colossians, Epistle to, 52, 168
- comparative anatomy, 69
- Conciliar Christology, 54–55, 66
- concupiscence, 117
- conflict model of science–religion
 relationship, 29, 32, 34, 178
- consistency, 17, 43–44, 131
- Constantinople, First Council of, 54,
 58
- Constantinople, Second Council of,
 54, 106
- Constantinople, Third Council of,
 54–55
- constructivism, 18
- contingency in nature, 210–211
- continuity thesis, 139–140
- Copernican Revolution, 25
- Copernicus, Nicolaus, 22–23, 25–26,
 209

- Copernicus, Nicolaus (cont.)
 On the Revolutions of the
 Heavenly Spheres, 22
- cosmic origins
 chance and, 172
 Christian account of, 30, 165–171,
 173
 God's role in, 168–169
 how and why explanations,
 168–169
 idea of self-creation, 171–172
 Lateran Council IV on, 168
 metaphysical explanation of,
 170–171
 naturalistic view of, 30, 165–168,
 171, 173
 out of nothing, 171
- Cosmos* (Sagan), 170
- Coulson, Charles Alfred, 97
- Council of Nicaea, 51
- courier theory, 110
- Coyne, Jerry, 178, 185
- Craig, William Lane, 181, 183–184
- creation doctrine. *See* Christian
 doctrine of creation
- creationism, 36–37
- Creegan, Nicola Hoggard, 192
- Crick, Francis, 15, 35, 77, 83–84
 Life Itself, 175
- critical realism, 18
- crossing over process, 123–124
- Cuvier, Georges, 69, 92
- Cyril, Saint, 55, 58
- Dante Alighieri
 Divine Comedy, 25
- Darwin, Charles
 on altruistic behaviour, 157
 on argument from design in
 nature, 74
 on biological variation, 74
 on competition for resources, 73
 The Descent of Man, 15, 120, 141
 existentialism of, 217
 expedition on HMS Beagle, 70, 72
 natural selection theory, 70, 73,
 120, 213
 on morality, 149, 151–152
 on origin of life, 173–174
 On the Origin of Species, 14, 27,
 70, 90, 173, 208
 on problem of pain, 190
 on reason, 146
 on relatedness of all life, 120
 on theology, 209
 The Variation of Domesticated
 Animals and Plants, 74
- Darwin, Erasmus, 93
- Darwinism
 destruction of design argument, 209
 as gift to Christology, 207–209, 211
 influence of, 72, 208–209
 role of chance in, 217
 use of the term, 92
- Davies, Paul
 The Mind of God, 43
- Dawkins, Richard, 35–36, 151, 166,
 203, 212
 on religion, 203
 The Selfish Gene, 151
 “Viruses of the Mind,” 203
- Deane-Drummond, Celia, 194
- death, 190, 221
- defeater, 147–148
- Deluge (global flood) theory, 70
- Dembski, William
 Intelligent Design, 37
- Denisovans, 89, 180, 185
- Dennett, Daniel, 35
 on chance, 211
 on intentional stance triggers, 202
 on natural selection, 209
 on problem of suffering, 190–191
 on religion, 200, 203
 River Out of Eden, 190
 on scientific worldview, 212

Index

239

- Descartes, René, 27
The Descent of Man (Darwin), 141
 design argument. *See* argument from design
 Desmond Morris
 The Naked Ape, 7
 devolutionary theory, 69
 dialogue model of science–religion relationship, 29, 31, 41–42
 Dijksterhuis, E. J.
 The Mechanization of the World Picture, 26
 dinosaurs, 70
 discontinuity thesis, 139–140
 divine nature, 56
 DNA
 copying mechanism, 84–85
 discovery of, 67, 75
 evolutionary process and, 83, 85–86
 information carried by, 83
 mutations of, 179
 non-heritable alterations in, 7
 number of bases, 86
 paleontological studies, 180
 sequences of, 83–84, 87–88
 structure of, 15, 83–84
 universality of, 83, 175
 DNA to RNA to protein changes, 77
 Dobzhansky, Theodosius, 15, 76
 Docetism, 57, 119, 207
 doctrine of humanity, 220
 Draper, J. W.
 History of the Conflict Between Religion and Science, 34
 Draper, Paul
 “Hypothesis of Indifference,” 191
 Driesch, Hans, 93
 dualism, 141
 Durkheim, Émile, 200
 Dyson, Freeman, 43
 earth, age of, 70, 167, 173
 Eastern Orthodoxy, 118, 187
 Ebionites, 55
Edwards v. Aguillard, 36
 emergent dualism, 144–145
 empiricism, 18
The End of Faith: Religion, Terror, and the Future of Reason (Harris), 203
 entelechy, 93
 Ephesus, Council of, 54, 58, 61
 epigenetics, 7
 epistemological realism, 17–19
 Epistle of James, 53
 eschatology, 221
 essence, 57
 ethics, 150–151, 162. *See also* morality
Ethics: Inventing Right and Wrong (Mackie), 153
 etiological parable, 187
 evil, 190–192
Evolution and Religion (Beecher), 97
The Evolution of Morality (Joyce), 152
Evolutionary and Molecular Biology: Scientific Perspectives on Divine Action, 121
 evolutionary argument against naturalism (EAAN), 148–149
 evolutionary biology
 central theoretical problem in, 156
 chance and randomness in, 122–124
 Christology and, 1, 5, 20, 138, 163
 criticism of, 36
 development of, 15, 71, 99
 doctrine of the Incarnation and, 2
 importance of Christian worldview for, 4
 publications, 13
 teaching of, 36–37
 vs. religion, 35
 evolutionary Christianity, 1, 199, 221
 evolutionary ethics, 150–151, 154

- evolutionary genetics, 2, 21, 76
- evolutionary metaethical theory, 151
- evolutionary naturalism, 148, 155, 199, 215–216, 221
- evolutionary theism, 190, 215
- evolutionary theory
 - application to Grand Miracle, 130
 - Christian ideas about, 92, 98, 223–224
 - core components of, 78
 - critique of, 80
 - development of, 15, 74
 - ethics and, 150
 - influence of, 78–79, 92, 142
 - molecular basis of, 176
 - positive view of, 206
 - quality of evidence in, 78
 - rejection of, 95
 - Resurrection and, 133, 137
 - role of chance in, 213, 217
- existentialism, 39
- “extended” synthesis, 77
- faith, 11–12, 14, 20
- faith–reason relations, 9–10, 12
- Fehr, E., 159
- fertility clinics, 107
- Feuerbach, Ludwig, 17
- fideism, 10
- fine-tuning argument, 43, 176
- first Ecumenical Council, 6
- Fischbacher, U., 159
- Fisher, Ronald
 - The Genetical Theory of Natural Selection, 76
- FitzRoy, Robert, 70
- fossil records
 - missing link in, 80
- Francis of Assisi, Saint, 194
- Francis, Pope, 96
- free choice, 210
- Freud, Sigmund, 200
- fundamentalism, 36–37, 95
- Galápagos archipelago, 72, 79, 123
- Galilei, Galileo, 22–23, 25, 212
- Galileo Affair*, 22–24, 34
- gamete formation (meiosis), 123
- genes
 - discovery of, 75
 - flow of, 123
- Genesis story of creation, 168–169, 176–178, 184, 187–188
- genetic bottleneck problem, 179, 182–184, 188
- genetics
 - Christology and, 21, 115
 - development of modern, 15, 75–76
 - randomness in, 125
- genome, 1, 75, 86, 88, 90, 99
- genomics, 1–2, 99, 124, 179–181, 186
- geocentrism, 24
- geography, 79
- geology, 70
- germ theory of disease, 78
- Gess, W. F., 62
- Gilkey, Landon
 - Creationism on Trial, 39
- Gnosticism, 119
- God
 - as creator of the world, 108, 168–169, 171–172, 187
 - Genesis portrayal of, 137
 - incarnation in Jesus Christ, 6–7, 136–137, 196, 203
 - natural pain and, 193–194, 196
 - plan for Jesus’s conception, 120
 - question of temptation of, 65–66
 - relation to chance, 210
 - relationship to humans, 210
 - temptation of, 65–66
- God in the Garden of Eden story, 47
- God in the Second Person, 135, 213, 220
- God–chance dichotomy, 126, 128
- Good Samaritan parable, 160, 210

Index

241

- Gould, Stephen Jay, 40, 178
 Rocks of Ages, 40
The Grand Design (Hawking), 171
 Gray, Asa, 92
 “Great Chain of Being” concept, 68
 Great Ecumenical Councils, 54
 Green, Joel, 119
 Gregory of Nazianzus, Saint, 58
 Guthrie, Stewart, 202
- Haeckel, Ernst, 27
 phylogenetic tree of life,
 79, 81
 Haldane, J. B. S., 76, 146–148, 153,
 157, 174
 Hamilton, William, 157
 happiness, 161, 217
 harmartiology, 184
 Harris, Sam
 The End of Faith: Religion,
 Terror, and the Future of
 Reason, 203
 Hartshorne, Charles, 43
 Haught, John, 98
 Hawking, Stephen, 166, 171
 The Grand Design, 171
 Heidelberg Man, 184–185
 heliocentrism, 22–23, 209, 212
 heresies, 13, 55, 58, 108
 Hesiod
 Theogony, 167
 Hick, John, 192
 historicism, 18
 Hobbes, Thomas, 156
 hominin species, 178, 180
Homo heidelbergensis, 184–185
Homo neanderthalensis, 184
Homo sapiens
 ancestors of, 184
 cognitive capacities in, 180, 185
 emergence of, 178, 180
 genetic legacy, 7, 69
 intra-group competition, 161
 relationship to other species, 139
 taxonomic chart of, 69
 homologous chromosomes, 123–124
 Hook, Robert, 68
 Hooker, Joseph, 92
 Hoyle, Fred, 172
 human beings
 aggression of, 117
 biological origins of, 7
 capacity for moral truth, 152
 Chalcedonian approach to, 14
 continuity thesis about, 139–140
 discontinuity thesis about, 139–140
 God’s purpose for creation of, 187,
 210
 image of God, 138, 144, 186, 206
 life expectancy, 130
 population size, 179
 pregnancies, 124
 studies of, 14
 uniqueness of, 139
 vs. animals, 144, 150
 human brain, 143, 146, 156,
 161–162, 185
 human commonness, 144
 human genome
 discovery of, 7
 features of, 111
 Jesus Christ and findings about, 12
 levels of information in, 111–112
 parental contributions to, 112
 particularizing elements of, 112
 physical characteristics of, 111
 probability of mutation, 87
 sequences of, 86
 Human Genome Project, 7, 12–13, 90
 human holism, 135
 human nature, 5–6, 8–9
 human rights, 206
 human specialness, 96, 139, 141, 144,
 178
 human–beast binary, 185
 Hume, David, 74, 103

- Huxley, Julian
 Evolution: The Modern Synthesis, 76
 Huxley, Thomas, 92
 hypersensitive agency detection
 device, 202–203
 hypostatic union between the natures
 of Christ, 59–60
 Hypothesis of Indifference, 191
- identity of Jesus
 Arianism on, 56
 biblical evidence, 51–53
 Conciliar Christology on, 60
 consubstantial, 51
 dual nature of, 46, 53, 56, 59–60
 early debates on, 51–53
 evidence of the divinity of, 53
 homousios, 51
 Kenotic Christology on, 62–63
 Nestorianism on, 56
 Orthodox Christology on, 59
 as person, 55
 immune system, 124
in vitro fertilization, 107
 Incarnation doctrine
 Christian understanding of, 13,
 45–51, 60, 130–131, 135
 evolutionary biology and, 1–2, 46,
 130–132
 fundamental philosophical
 problem of, 61, 63–64, 66
 Great Ecumenical Councils on, 54
 initial moment of, 223
 key phenomena of, 131
 mystery of, 55
 naturalistic perspective on,
 133–134
 orthodox teachings on, 55, 66
 study of, 223
 inclusive fitness, 157
 inconsistent propositions, 32, 43–44,
 131
- independence model of science–
 religion relationship, 29, 31
 Institute for Creation Research and
 Answers in Genesis, 36, 95
 integration model of science–religion
 relationship, 29, 32, 43–45
 Intelligent Design (ID) theory, 37, 95
 Irenaeus heresy, 55, 108
 Isaiah, the prophet, 48–49
- Jeremiah, the prophet, 48
 Jerome, Saint, 188
 Jesus Christ. *See also* identity of Jesus;
 nature of Christ
 appearance to Mary Magdalene, 50
 Ascension into heaven, 50
 biological view of, 16, 134, 165
 birth of, 51
 circumcision of, 125
 classical doctrine of, 46–47
 conciliar teaching about, 66
 crucifixion of, 49
 death of, 51
 as descendant of David, 49
 disciples of, 50
 divinity of, 66
 empty tomb of, 135–136
 God's incarnation in, 6–7, 196,
 203, 207
 gospel accounts of, 16
 as historical figure, 132–135
 humanity of, 14, 16, 57, 113, 149,
 207, 223–224
 maleness of, 125–126
 meaning of life and, 220–221
 as Messiah, 47
 physical appetites, 50, 119
 post-resurrection encounters,
 49–50
 prophecies about, 48–50
 as rational animal, 149
 scriptural teaching about, 66
 self-sacrifice of, 160

Index

243

- Sermon on the Mount, 161
 as Son of God, 51, 125–126
 soul of, 138
 suffering of, 189, 194
 teaching about morality, 149, 152
 teachings on love, 160–162
 temptation of, 65
 virginal conception of, 130, 132
- Jesus's genome
 discussion of, 111, 114
 formation of, 124–125
 genetic information in, 111,
 113–114
 markers of Hebrew roots, 112
 paternal content of, 113–115
- Jews
 prophecies about, 48
- Johannsen, Wilhelm, 75
- John Chrysostom, Saint, 168
- John of Damascus, Saint, 63
- John Paul II, Pope, 118, 143
- John, Gospel of, 51, 168
- Johnson, Dominic, 201
- Jones, John, 37
- Joyce, Richard
 The Evolution of Morality, 152
- Kaiser, Walter, 47
- Kant, Immanuel, 27
- Kemp, Kenneth, 181–184, 189
- Kenotic Christology, 62–63
- Kenotic theodicy, 194
- Kepler, Johannes, 25
- Kierkegaard, Søren, 10
- kin selection, 157–158, 217
- Kingsley, Charles, 97
- Kitzmilller v. Dover Area School
 District*, 37
- Kuhn, Thomas, 18
- Ladder of Being (*scala naturae*), 68
- Lamarck, Jean Baptiste, 69, 92
- Lateran Council IV, 168
- law of the conservation of energy,
 103–104
- law of universal gravitation, 171
- LeBuffe, Francis, 96
- LeConte, Joseph, 97
- Leeuwenhoek, Antoni van, 68
- Leibniz, Gottfried Wilhelm, 170
- Leo the Great, Saint, 108
 “Tome to Flavian,” 58
- Leo XIII, Pope, 95
- Leroy, Dalmace
 The Evolution of Organic Species,
 95
- Lewis, C. S., 143, 188, 220
- Linnaeus, Carl, 69
- Lloyd, Michael, 192
- logical positivism, 18, 35
- Logos (wisdom of God), 10, 52
- Lord is our righteousness, 48
- love
 Buddhist teaching on, 159
 Christian teaching, 156, 159–162,
 206
 of enemies, 160
 evolutionary theory and, 131,
 156–164
 medieval perspective on, 25
 of your neighbor, 160
 as self-sacrifice, 160
- Lovejoy, Arthur, 68
- Lucretius, 170
- Luke, Gospel of, 48, 50
- Luther, Martin, 10, 22
- Lyell, Charles, 92
 Principles of Geology, 70
- Mackie, J. L.
 Ethics: Inventing Right and
 Wrong, 153
- MacLeod, C. M., 83
- Manichaeism, 119
- Mary Magdalene, 50
- Mary, mother of Jesus, 114

- materialism, 141–143
- Matthew, Gospel of, 48, 138
- Mavrodes, George, 114
- Mayr, Ernst, 76
- McCarty, M., 80
- McGrath, Alister, 176, 188
- McLean v. Arkansas Board of Education*, 36, 39
- McNamara, Patrick
 - The Neuroscience of Religious Experience, 201
- meaning of life
 - Christian view of, 199, 218–219, 221–222
 - creativity and, 217
 - naturalistic perspectives on, 199, 215–219, 221–222
 - search for, 219
 - subjective and objective, 217–219, 221
- A Meaning to Life* (Ruse), 216
- Meischer, Friedrich, 75
- memes, 203
- Mendel, Gregor, 15, 75
- mental properties, 144, 146
- metaethical anti-realism, 150–153
- metaethics, 150
- metaphysical meta-scientific realism, 18
- metaphysical naturalism, 28–29
- metaphysical realism, 17, 19
- meta-theological anti-realism, 17
- meta-theological realism, 17
- methodological naturalism, 28–29
- miasma, 78
- microorganisms, 68
- Miller, Kenneth, 38
 - Finding Darwin's God, 98
- Miller, Stanley, 174
- Milton, John
 - Paradise Lost*, 192
- mind, 142–144
- mind–body (soul–body) theory, 140–141
- miracles
 - definition of, 103
 - divine methods of creation of, 105–106, 128
 - law of nature and, 103, 105–106
 - metaphysical explanations of, 105–106
 - philosophical discussion of, 101, 103
 - Thomistic view of, 104
- modal logic, 113
- modalism, 56
- Modern Synthesis, 76, 99
- molecular biology, 77, 80
- molecular reorganization theory, 110
- Monod, Jacques, 127–128
 - Chance and Necessity, 127
- monogenism, 182
- Moore, Aubrey, 208
- moral values, 153–154
- morality
 - Christian teachings about, 149–150, 152–155
 - codes of, 161
 - Darwin's view of origin of, 151
 - epistemic debunking argument, 152–153
 - evolutionary biology and, 131, 149–156, 163
 - naturalistic reduction of, 154
 - objective, 149, 152, 154–155
 - selfishness and, 151
 - truth and, 155
- motivational physiology of religion, 201
- Mount of Olives, 50
- Murphy, Nancey, 42, 142
- mutations, 73, 87, 112, 122. *See also* random mutation
- Nagel, Ernest, 170
- natural history, 68

Index

245

- natural selection
 altruism and principle of, 157
 basic assertions of, 72
 competition for resources and, 73
 formulation of theory of, 71, 209
 impact on population, 14, 27
 religious worldview and, 73,
 200–201, 209
 species change by, 72
Natural Theology (Paley), 73
 naturalism, 34, 36, 133, 140, 147,
 149, 213
Naturalism and Religion (Nielson),
 204
 naturalist worldview
 chance in, 214–215
 on meaning of life, 219
 vs. Christian worldview, 212–215
 nature, 57, 172
 nature of Christ, 63–65
 Nazi ideas of racial superiority, 94
 Neanderthals, 89, 180, 184–185
 Nebuchadnezzar, King of Babylon,
 105
 neo-orthodoxy, 39
 Nestorianism, 13, 56
 neuroscience, 139, 143–144
 Neuroscience of Religious
 Experience, *The* (McNamara),
 201
 New Atheists, 178
 New Synthesis, 67
 New Testament, 47–48, 53
 Newman, John Henry, 96
 Newton, Isaac, 26
 Nicaea, First Council of, 54
 Nicaea, Second Council of, 54, 63
 Nicene Creed, 6, 76, 168
 Nielson, Kai
 Naturalism and Religion, 204
 non-realism, 19
 nonreductive materialism, 142
 nonreductive physicalism, 142
- Numbers, Ron
 The Creationists, 36
- O'Connor, Timothy, 144
 objective meaning (purpose), 216
 Ockham's razor (Principle of
 Parsimony), 170
 Old Testament, 47–49, 118
*On Revolutions of the Heavenly
 Spheres* (Copernicus), 22–23
On the Origin of Species (Darwin),
 70, 90, 173, 208
 organic molecules, 174
 origin of life
 alien hypothesis of, 214
 ancient philosophy on, 167
 chance and, 214
 Christian perspective on, 165–166,
 173, 175–176, 178–180,
 185–187, 214, 224
 debates on, 177
 fundamentalists' view of, 178
 Genesis story of, 176, 178
 genetic diversity and, 179–180
 problem of common ancestor,
 182–183
 scientific hypotheses of, 165–166,
 173–176, 178–180, 185–187
- Original Sin
 Augustinian view of, 187
 biological reproduction and, 116,
 129
 classical Christian writers on, 8,
 115
 sexuality and, 116–118
 Virgin Birth and, 101
 Orthodox Christology, 59–62
 Osiander, Andreas, 23
- pain. *See also* animal pain
 Augustinian theory of, 192
 biological utility of, 191
 distribution of, 191

- pain. (cont.)
 evolutionary process and, 189–191, 193
 mitigation of, 195
 patterns of, 191
 scientific studies of, 195
 paleoanthropology, 184
 paleoneurology, 184
 paleontology, 180
 Paley, William, 73, 209
 Natural Theology, 73
 Pannenberg, Wolfhart, 102
 parthenogenesis, 107
 Pascal, Blaise, 10
 passionate sex
 criticism of, 117–118
 Paul, the Apostle
 on Christian values, 206
 encounter with the risen Jesus, 49, 136
 on eternal life, 201
 on mystery of Resurrection, 132, 137
 on truth, 145
 Peacocke, Arthur, 98
 Peterson, Michael, 99
 phenotype, 73, 77, 125
 Philipians, 194
 philosophical naturalism, 34, 133, 166, 170
 philosophy of science, 18
 Pilate, Pontius, 133
 Pious XII, Pope
 Humani Generis, 182
 Plantinga, Alvin, 28, 99, 148–149
 Plato, 25
 pleasure, 191
 Pleistocene era (Stone Age), 161–162
 Polkinghorne, John, 97, 193
 Pope, Alexander, 6–7
 population genetics, 15, 76
 population genomics, 179–181
 predation, 190
 pride, 119
 Primordial Existential Question, 170
Process and Reality (Whitehead), 43
 process theism, 43, 98
 proteins, 85–86
 Protoevangelium of James, 114
 pseudogenes, 89
 Ptolemaic astronomy, 21, 24
 purpose-chance dichotomy, 209–210
 quantum theory, 42–43, 121
 Qur'an, 201
 race, 94
 random assortment, 123–124
 random mutations, 122, 190
 random variation, 37, 72, 209
 rationality, 143, 146, 185
 realism, 18
 realism-anti-realism debate, 23
 reason, 11–12, 20, 146
 reciprocal altruism, 157–159, 217
 redemption of the material universe, 137
 reductionism, 205, 218
 reductionist materialism, 142
 religion
 adaptationist approach to, 200–201
 biological theories of, 198–204, 207
 causal theories of, 200
 dealing with meaning and value, 39–40
 definition of, 199
 evolutionary theories of, 199
 intellectual content of, 29
 maladaptationist approach to, 200, 203, 205–207
 as memplex, 203
 motivational factors of, 201
 natural origin of, 200
 nonadaptationist approach to, 200–202

Index

247

- objects, methods, and aims of, 29
- perpetual nature of, 203
- prosocial principles of, 206
- science and, 24
- social capacities and, 203
- spiritual reality and, 204
- as survival mechanism, 35
- religion–science relationship. *See*
 science–religion relationship
- religious beliefs, 202–205
- religious practices, 200–201
- Renaissance, 68
- reproductive biology, 124
- Resurrection
 - Biblical evidence of, 136
 - as divine miracle, 49, 132, 136–138
 - evolutionary biology and, 131–138,
 163
 - gospel account of, 132, 138
 - historicity of, 132–133, 135, 138
 - implication for eternal life,
 220–221
 - natural and supernatural causes of,
 138
 - naturalist view of, 133
 - ontologically possibility of, 132
 - as transformation of biological
 organism, 135
- RNA (ribonucleic acid), 77, 85, 174
- Rolston, Holmes, III, 194
- Ruffini, Ernesto, Cardinal, 95
- Ruse, Michael
 - on accommodationism, 40
 - books of, 99, 216
 - on Christian ethics, 162
 - on Darwinism, 216–219
 - on happiness, 217
 - on meaning of life, 216–217, 221
 - on scientific worldview, 212
 - on sense of “right” and “wrong,”
 154
- Russell, Bertrand, 216–217
- Russell, Robert John, 121
- Sagan, Carl
 - Cosmos*, 170
- Sanger, Joseph, 90
- sarx*, 118
- Satan, 192
- Schweitzer, Albert, 134
- science
 - ancient, 21
 - claims of authority, 40
 - dealing with objective data, 39–40
 - divine action and, 129
 - evolution of, 25–26
 - final causes in, 26
 - intellectual content of, 29
 - mechanical model of, 27–28
 - medieval, 26
 - objects, methods, and aims of, 20,
 24, 29
 - realist interpretation of, 18, 44–45
 - rise of modern, 24–25
 - teleological explanations in, 26
 - truth claims in, 11, 30–31
- science–religion relationship
 - accommodationism in, 40
 - chart to determine model of, 33
 - compatibility in, 41
 - conflict model of, 24, 29, 34, 36,
 38
 - creation doctrine and, 30–31
 - debate about, 1–5, 34, 140
 - dialogue model of, 29, 41–43
 - independence model of, 29, 31,
 39–41
 - integration model of, 29, 43–45
 - interpretations of, 21
 - irreconcilable opposition in, 35–36
 - opposite truth-values, 36
 - truth claims, 30–32
- science–theology dichotomy,
 209–210
- scientific laws, 104
- scientific materialism, 34–35
- scientific naturalism, 28, 219, 221

- Scientific Revolution, 23, 25–26, 29
 scientism, 149
 Scopes Monkey Trial, 34, 36, 95
 Second Vatican Council, 6
 secularism, 206
The Selfish Gene (Dawkins), 151
 selfishness, 151
 Seven Great Councils of the Church, 13
 sexual reproduction, 123
 sexuality, 116–120. *See also*
 passionate sex
 Shakel, Peter, 25
 Sharpe, Kevin, 58
 Simpson, George Gaylord, 142
 sin, 117, 119
 Snow, C. P., 41
 Social Darwinism, 93–94
 Socrates, 221
 Theatetus, 215
 solar system, 173
 Solomon, King of Israel, 47
 Solzhenitsyn, Alexandr, 206
soma, 118
 Song of Songs, 118
 soteriology, 184
 soul
 as aspect of humanity, 58, 138–140
 Christian perspectives on, 143, 183
 dualism of body and, 118, 135, 140–141, 144
 evolutionary biology and, 131, 138–145, 163
 materialist approach to, 141–143
 soul-making theodicy, 192
 Spencer, Herbert, 161, 217
 spiritual reality, 204
 spontaneous parthenogenesis, 107
 Steady State Theory, 42
 Stoeger, William, 121
 Street, Sharon, 152–153
 substance, 57
 substantive ethics, 150
 suffering
 evolutionary process and, 189–191, 193, 196
 naturalistic explanations of, 190–192, 196
 origin of, 192
 theistic approach to problem of, 192, 196
 theodiscists' understanding of, 192–194
 Swamidass, Joshua, 181–184
 Swinburne, Richard, 43, 136, 209
 Teilhard de Chardin, Pierre
 The Phenomenon of Man, 98
 teleology, 26–27
 Ten Commandments, 152, 156
 Tennyson, Alfred, 156
 Tertullian, 9–10
 Theandric One (God–Human), 53, 110, 124, 165
 theistic evolution, 96–97, 99
 theodicy, 42, 192–195
 theology
 anti-realism and, 17
 beliefs grounded in, 20
 Darwinian evolution and, 209
 methods of, 19–20
 realism and, 17–18
 truth claims in, 30–31
 theory
 meaning of, 78
 Third Ecumenical Council, 62
 Thomas Aquinas, Saint, 63, 209
 cosmological and teleological arguments of, 43
 definition of miracles, 104
 on God's existence, 171
 on harmony of faith and reason, 10–11
 on love, 162
 Thomasius, Gottfried, 62
 Thomson, William, 70

Index

249

- Tillich, Paul Johannes, 17
 transformationalism, 58
 transplantation immunology, 124
 transposons (“jumping genes”), 86, 88
 Trent, Council of, 54, 182
 Trinitarian God, 125
 Trinity, 8, 55, 60
 tritheism, 56
 Trivers, Robert, 158
 true happiness (blessedness), 161
 truth
 Christian perspectives on, 11, 145
 evolutionary biology and, 131, 145, 147–149, 163
 morality and, 153, 155
 rationality as capacity for finding, 146
 universe
 age of, 173
 eschatological vision of, 137, 221
 meaninglessness of, 216–217
 naturalist vision of, 216
 probability of, 214
 trajectory of the physical, 177
 Urey, Harold, 174
 Van Huyssteen, J. Wentzel, 185
 Venter, Craig, 94
 Virgin Birth
 Apostle’s Creed on, 102
 as asexual action, 110
 discussion around, 8, 101, 107
 ex nihilo material for, 105, 108, 110–111, 114, 121, 124
 gene mixing during, 109, 124–125
 gospels’ account of, 102
 miraculous element of, 106, 109, 128–129
 Nicene Creed on, 102
 objections to the facticity of, 102
 Original Sin doctrine and, 101
 possible divine action for the provision of, 108–110, 121, 128
 search for scientific explanation of, 107, 110
 supernatural explanation of, 108, 110
 “Viruses of the Mind” (Dawkins), 203
 vitalism, 93
 Waddington, C. H., 77
 Walker, J., 96
 Ward, Keith, 121
 Ware, Kallistos, Metropolitan, 187
 Watson, James D., 15, 83–84
 Westminster Confession of Faith, 168
 White, A. D.
 A History of the Warfare of Science with Theology in Christendom, 34
 Whitehead, Alfred North
 Process and Reality, 43, 98
 Wilberforce, Samuel, Bishop, 92
 Wilson, David Sloan, 201
 Wilson, E. O.
 on Darwinism, 217
 on development of human brain, 185
 on ethics, 149, 151
 on religion, 35, 200–201
 on sense of right and wrong, 154
 worldviews. *See also* Christian worldview; naturalist worldview
 concept of, 212
 meaning and purpose in, 215–216
 Wright, N. T., 6, 188
 Wright, Sewall, 76
 Zimmerman, Dean, 140–141