**Note:** Page entries followed by “f” indicate figures; those followed by “t” indicate tables.

<table>
<thead>
<tr>
<th>Abbreviations</th>
<th>593</th>
</tr>
</thead>
<tbody>
<tr>
<td>dental, metric system, prescriptions, radiography</td>
<td>455, 589, 589, 421</td>
</tr>
<tr>
<td>Abdomen</td>
<td>139</td>
</tr>
<tr>
<td>Abdominal, procedures, surgery, tuck</td>
<td>384, 421, 422, 586, 490, 498, 510, 597, 598</td>
</tr>
<tr>
<td>Abscesses</td>
<td>331, 483</td>
</tr>
<tr>
<td>Accuracy</td>
<td>549, 551</td>
</tr>
<tr>
<td>Addiction</td>
<td>47</td>
</tr>
<tr>
<td>Admission</td>
<td>204, 254, 259, 269, 475, 483</td>
</tr>
<tr>
<td>Agar plates</td>
<td>399</td>
</tr>
<tr>
<td>Aging animals</td>
<td>461</td>
</tr>
<tr>
<td>Agonal respirations</td>
<td>349</td>
</tr>
<tr>
<td>Airborne diseases</td>
<td>105, 118</td>
</tr>
<tr>
<td>Air filters</td>
<td>119, 121</td>
</tr>
<tr>
<td>Alcohol, isopropyl, Alkalies</td>
<td>109, 300</td>
</tr>
<tr>
<td>Alleles</td>
<td>130, 133</td>
</tr>
<tr>
<td>Alphabetic filing</td>
<td>70, 72</td>
</tr>
<tr>
<td>Aluminum filters</td>
<td>410</td>
</tr>
<tr>
<td>Ambu bag</td>
<td>340, 519</td>
</tr>
<tr>
<td>American Animal Hospital Association (AAHA)</td>
<td>42, 68, 80, 100, 320, 413, 479, 511, 562, 573</td>
</tr>
<tr>
<td>American Association of Feline Practitioners (AAFP)</td>
<td>42, 511, 561, 573</td>
</tr>
<tr>
<td>American Committee of Veterinary Radiologists and Anatomists</td>
<td>421</td>
</tr>
<tr>
<td>Americans with Disabilities ACT (ADA)</td>
<td>46</td>
</tr>
<tr>
<td>American Kennel Club (AKC)</td>
<td>128, 130, 133, 135</td>
</tr>
<tr>
<td>American Surgical Association</td>
<td>478, 481, 482, 484, 485</td>
</tr>
<tr>
<td>American Veterinary Dental College (AVDC)</td>
<td>458</td>
</tr>
<tr>
<td>American Veterinary Medical Association (AVMA)</td>
<td>80, 100, 351, 511, 564</td>
</tr>
<tr>
<td>animal welfare website, consent forms</td>
<td>38, 89</td>
</tr>
<tr>
<td>declaiming and</td>
<td>511</td>
</tr>
<tr>
<td>ethics and</td>
<td>37</td>
</tr>
<tr>
<td>interstate travel</td>
<td>87</td>
</tr>
<tr>
<td>recommendations of, resources for</td>
<td>539</td>
</tr>
<tr>
<td>state practice acts and</td>
<td>57</td>
</tr>
<tr>
<td>training and</td>
<td>34, 48</td>
</tr>
<tr>
<td>website for</td>
<td>38</td>
</tr>
<tr>
<td>Ammonia</td>
<td>387</td>
</tr>
<tr>
<td>Amoxicillin</td>
<td>545, 546, 548</td>
</tr>
<tr>
<td>Anal glands</td>
<td>272, 273, 281, 282, 286</td>
</tr>
<tr>
<td>Anatomical terms</td>
<td>577</td>
</tr>
<tr>
<td>Anatomy website</td>
<td>151</td>
</tr>
<tr>
<td>Anesthesia, see also Preanesthesia consent form</td>
<td>476</td>
</tr>
<tr>
<td>dental care</td>
<td>448, 465</td>
</tr>
<tr>
<td>depth of</td>
<td>488</td>
</tr>
<tr>
<td>endoscopy and</td>
<td>434</td>
</tr>
<tr>
<td>exotics</td>
<td>464</td>
</tr>
<tr>
<td>extubation</td>
<td>517</td>
</tr>
<tr>
<td>induction of</td>
<td>486</td>
</tr>
<tr>
<td>machines for</td>
<td>494, 495</td>
</tr>
<tr>
<td>postoperative care and</td>
<td>515</td>
</tr>
<tr>
<td>record-keeping and</td>
<td>476, 478</td>
</tr>
<tr>
<td>restraint</td>
<td>202</td>
</tr>
<tr>
<td>stages of</td>
<td>490</td>
</tr>
<tr>
<td>technocompetency and</td>
<td>17</td>
</tr>
<tr>
<td>Animal Welfare Act</td>
<td>47</td>
</tr>
<tr>
<td>Anogenital space</td>
<td>323</td>
</tr>
<tr>
<td>Anthrax</td>
<td>561</td>
</tr>
<tr>
<td>Antibiotics</td>
<td>330, 397, 398, 399, 521, 568</td>
</tr>
<tr>
<td>Antibiotic sensitivity testing</td>
<td>390, 397</td>
</tr>
<tr>
<td>Antibodies</td>
<td>147, 148</td>
</tr>
<tr>
<td>Anticipate work flow</td>
<td>22</td>
</tr>
<tr>
<td>Anticoagulant</td>
<td>369, 370, 371, 377</td>
</tr>
<tr>
<td>Anticruelty laws</td>
<td>46</td>
</tr>
<tr>
<td>Antigens</td>
<td>147, 148</td>
</tr>
<tr>
<td>Antimicrobial</td>
<td>334</td>
</tr>
<tr>
<td>Antiseptics</td>
<td>107, 109</td>
</tr>
<tr>
<td>Anus</td>
<td>150</td>
</tr>
<tr>
<td>anal glands</td>
<td>281</td>
</tr>
<tr>
<td>grooming</td>
<td>267</td>
</tr>
<tr>
<td>parasites</td>
<td>363</td>
</tr>
<tr>
<td>sexing</td>
<td>320</td>
</tr>
</tbody>
</table>


617
Apnea, 490
Appearance, professional, 29
Appointments, scheduling of, 74
Aprons, lead, 409
Arthroscopy, 439
Aseptic technique, 471
filing syringes, 302
IV catheterization, 327
nosocomial infections, 106
sample collection, 384, 391
surgery, 474
Aspiration
feeding, 260
injections, 301
intubation, 487
extubation, 517
Assessment
pain, 318
presurgical, 479
self, 5
SOAP, 242
ultrasound, 340
vital signs, 311
Aural administration, 295
Auscultation
respiration and heart sounds, 313
restraint for, 214
Autooclaves, 526
Ayers rebreathing system, 494
Bacteriocidal chemicals, 107
Bacteriostatic chemicals, 107
Bain systems, 494
Bandages, 333
Bank deposit slips, 33
Bathing, 284
Bedding materials, 344, 515, 521
Bending section, 438
Betadine, 109
Bight, defined, 175
Binocular microscope, 357
Biohazards, 298
Bipolar limb leads, 440
Birds, 169
Bisecting angle, 465
Bladders, expression of, 384
Blink reflex, 488
Blood
blood chemistry, 380
collection and handling of, 601
collection tubes, 599
complete blood counts (CBC), 372
pre-surgical, 483
test kits and, 382
venipuncture and, 222
Blood agar plate, 392, 394, 397, 398
Blood analyzers, 372, 381
Blood pressure, 491
Blood smear, 373, 375
Bloodstains, cleaning of, 110
Blue top collection tubes, 599
Blood pressure (BP), 17, 147, 491, 519
Body Condition Score (BCS), 311
Body temperature, 315
maintaining, 316
Boots, 30, 52, 562
Botulism, 561
Bounding pulse, 314
Bovines
approaching, 197
breeds, 134
defense anatomy, 198
feeding, 169
injection site, 303
reproductive, 153
tail tie, 186
venipuncture, 218
wellness program, 573
withholding time, 550
Bowline knot, 187
Bowline on a bight knot, 189
Brachycephalic dogs, 457
definition, 583
dystocia, 510
monitoring for surgery, 518
muzzles for, 228
Breach of contract, 45
Breeds, websites, 133
Bronchoscopy, 439
Buccal, defined, 459
Burns
clipper, 274
food, 260
thermal, 501
Burrito wrap, 226
Business licenses, 61
Business managers, 566
Cage card, 265, 266
Cages. See also Kennels
cleaning, 112
contagious, 117
travel, 256
Calculations
feeding, 163
drug doses, 484
medical math, 10
Calculus, dental, 307, 448, 452, 453
Calibration
equipment, 18, 381
refractometers, 359
Calipers, 416
INDEX

Cancers, 510
Canines
  age determination of, 461
  aggressive, 198
  approach, 197
  breeds of, website 135
  body conditioning score, 596
  carrying, 209
  defensive anatomy, 198
  dental arcade, 456
  feeding, 260
  handling of, 197, 212
  intubation and, 487
  kenneling, 205, 258, 266
  laws regarding, 61
  muzzles for, 228
  nail trimming, 278
  pain evaluation, 317
  oral medications and, 293
  vaccination schedule for, 561
  venipuncture for, 218
Canine teeth, 198, 461, 462, 487
Capillary Refill Time (CRT), 477, 515, 519, 521
Capillary tubes, 379
Capnograph, 340, 491, 511
Capsules, medication administration and, 291, 552
Capture pole, 230
Carbolic acid coefficient, 108
Carbon dioxide, 146, 149, 477, 491, 495
Cardiopulmonary system, 519
Carriers, 43, 97, 201
Carts
  cleaning, 112
  crash, 339
  endoscopic, 435
  monitoring, 491
  surgical suite, 473
  ultrasonography, 431
Cassettes, radiography
  cleaning, 407
  handling, 423
  intensifying screens, 418
  lead blocker, 419
  selection, 419
  size, 419
  storage, 413
Castration. See also Orchidectomy
  definition, 81
  position for, 498
  preparation for, 499
  consent form, 89
Catheterization
  maintenance, 326
  placement, 326
  preparation for placement IV and, 328
  restraint for IV, 215, 218, 349
  restraint for urinary, 216
  urine collection and, 384
Cats, see Felines
Cattle, see Bovines
Caudal, 141
Ceilings, 473
Centrifuges, 358
Cephalic vein
  IV catheter, 326
  location, 219
  restraint for, 218
Certified Veterinary Technician (CVT), 34
Cesarean section, 153, 510
Chattel, 45
Chemical restraint, 202
Chemistry strips, see Test strips
Cheyletiella, 362
Chief complaint, 76, 78, 244, 252
Child labor, 46
Childproof containers, 551
Children
  prescription packaging, 551
  radiation exposure, 411
  reception area, 80
Chemical sterilization, 109. See also Cold sterilization
Chlorhexidine, 108, 109, 307, 499
Chloroxylenol, 109
Clarity, 387
Classification, animals and, 129
Claws, 198, 201, 225, 226, 237, 280
Cleaning
  blood stains, 220
  cages, kennels, runs, 112
  cart, 113
  cassettes, radiograph, 411
  clippers, 288
  dental, 462
  ears, 251, 276
  endoscopy and, 435, 443, 444
  exam room preparation and, 250
  filters, 121
  levels of, 107
  order of, 113
  resistant pathogens, 106
  scheduling, room, 118
  supply storage and, 120
  surfaces, 119
  surgical instrument preparation and, 529
  surgical suite, 473
  surgical suite, postoperative, 540
  water bottles, 263
  wounds, 330, 331
Client
  appointments, 95
  cards, 72, 90
  communications, 24, 32, 90, 523, 570
  confidentiality, 26
  consent forms, 45
  departure, 92
  difficult, 97
  information, 68, 69, 77
  intake, 78
  laws that effect, 61
  payments, from, 93
  records, 68, 72, 82
  veterinarian-client-patient relationship (VCPR), 38
  walk-ins, 75
Clipper. See also Nails, trimming of
  clipper burns, 274
  maintenance, 288
Closed gloving, 504
Closing procedures, 99
Clotting, 377
Coats, classification and, 130
Coccygeal artery, 314
Cold sterilization, 445, 527
Collars, 198, 204, 253, 285. See also Elizabethan collars
Colonoscopy, 439, 585
Colorado State University College of Veterinary Medicine, 435
Color-coding, 70
Combing, 273, 274, 275. See also Grooming
Commercial test kits, 382
Commissures, 292, 583
Common courtesies, 24
Common law, 43
Communicable diseases, 105. See also Infectious diseases
Communication. See also Client, communications
  medical and scientific terminology, 6
  hazard, 48
  health-care team, 475
  in-house, 568
  surgical team, 470, 481
  white board, use of, 246
Complete Blood Count (CBC), 372
  blood collection tubes, 599
  blood smears, 373
  packed cell volume (PCV) and, 377
  plasma protein determination and, 378
  stain and, 375
Computers, 15
Conciseness, 569
Confidentiality, 23, 82, 350
Confirmation call, 75
Consent forms, 88
  contract law and, 45
  Contact time, 106, 108
  Containers, prescriptions and, 549
  Contract law, 44
  Contracts, 45
  consent forms, as, 88
  Controlled substances, 42, 47, 470, 480, 484, 554
  Controlled substance logs, 480
  Control reagents, 355
Conversions
  metric, 10
  dilutions, 110
Coplin jars, 356, 375
Core body temperature, 17, 315
Core vaccines, 561
Cornea
  medicating, 299
  reflex, 490
Cost estimates, see Estimates
Costochondral junction, 314
Cotton
  balls, for disinfecting, 511
  balls, for ear cleaning, 276
  balls, for bathing, 278
  bandaging material, 334
  batting, anal glands, 282
  ropes, knot making, 176
  ropes, to secure surgical patients, 501
  staunching blood flow, 220
  tipped swabs, cleaning endoscopic equipment, 444
  tipped swabs, dental extractions, 463
  tipped swabs, microbiology, 391
  towel, cage lining, 113
  urine collection, 384
Cough
  kennel cough, 105, 149, 218
  reflex, 486
  transmission of disease, 105
Counting trays, 552
Cranial, 141, 421
Crash carts, 339
Credential, examination, 34
Cross-training, 35
Cruelty, laws for, 46
Culturette system, 391
CVT. See Certified Veterinary Technician
Cyanosis, 149, 581
Cylinders, oxygen, 496
Cystitis, 585
Cystocentesis
  restraint for, 215
  ultrasonography, for, 431
  urine collection, 384
Cytology, defined, 586
Darkroom
defined, 424
maintenance of, 428
Date of birth (DOB), 69, 81
Death, see Euthanasia
Debridement, 331
Deciduous teeth, 455, 461
Declawing, 499, 511
Decubitus ulcers, 267, 345
Deflection knobs, endoscopes and, 435
Dehydration, 262
Dental care, 306
Dental eruption dates, 461
Dental formulae
cats and dogs, 455
ferrets, 463
rabbits and rodents, 463
Dental radiography, patient positioning, 465
Dentition, see Dental formulae
Deposit slip, 99
Dermatophyte test medium agar, 397
Developer tank, 427
Dewclaws, 279, 511
Diagnosis (Dx), 593
Diameter, rope, 176
Differential cell counts, 375
Differential diagnosis (DDx), 244
Difficult clients, handling of, 97
Diff-Quick stain, 375
Digital dental radiography, 465
Digital pressure, sexing rodents, 321
Digital radiography, 407
Digital scales, 312
Digital thermometers, 315
Diluents, vaccinations and, 303, 306
Dilutions, disinfectants and, 107, 109, 110
Dipping, 284
Directional labels, 419
Directional terms, 141
Discharge
overview of, 92
instructions dental, 466
surgical, 523
Diseases, 243. See also names of specific diseases
 genetic, 130
 prevention, 54, 86
 transmission, 105, 360
 zoonotic, 53, 268, 400
Disinfectants, 109
Distal, 141
Distemper vaccine, see Core vaccines
Distractions, restraint and, 202
DNA, classification and, 202
Docking, of tails, 89, 198, 499, 511
Documentation, 476, 479, 484
Dogs, see Canines
Domestic cats, defined, 80
Domestic Long Hair (DLH), 593
Domestic Short Hair (DSH), 593
Dominant traits, animal classification and, 131
Doppler blood pressure, 491
Dorsal, defined, 141
Dorsal recumbency, 217
Dosages, 484, 558
Drains, 331
Drams, packaging and, 551
Drapes, surgery and, 534
Drawers, cleaning of, 119, 250
Drug Enforcement Agency (DEA), 42, 47, 554
Drugs, 47, 545, 548, 550, 554. See also Medications
Duodenojejunoscopy, 439
Dust, 80, 119, 170, 250, 474, 567
Ear canals, 276, 314
Ear protection, as PPE, 114
Earrings, 30
Ears
 cleaning of, 276, 521
 medication administration and, 296
 restraint for, 212
Ear thermometer, 317. See also Thermometer
Ectoparasites, 267, 360, 562
Electrocardiogram (ECG or EKG), 491, 519
Electrolytes, assessment of, 354
Elizabetian collars, 230
Emergencies, 338, 519
Emphysema, 517
Endoparasites, 363, 562
Endoscopes, 437
 cleaning of, 443
 overview of, 435
 procedures, 439
 storage of, 438f, 445
Endotracheal tubes, 487
Environment, patient needs and, 257
Equines
 approach, 197
 breeds of, website 135
 defensive anatomy, 198
 forage, 170
 haltering, 232
 vaccination schedule for, 561
 venipuncture for, 218
Equivalents, 589. See also Conversions
Eruption dates, 461
Erythrocytes, 377
Estimates, 372, 476, 483
Ethics, 37, 38
Ethyl alcohol, 109
Ethylene oxide, 526
Euthanasia, 45, 327
Examination rooms, 250
Exercise, 264
Expiration dates, 250, 567
Exposure times, radiation, 418
External parasites, see Ectoparasites
Extractions, dental, 454
Extubation, 477, 492, 517
Eyes
  anesthetic depth, 488
  body language, 199
  emergency, 75
  medication administration and, 299, 300
  needles, suture, 531
  protection, 52, 284
  restraint, for, 215
Fabrics, cleaning of, 110, 119
Face shields, as Personal Protective Equipment (PPE), 52
Fair Labor Standards Act, 47
Fangs, cat handling and, 225, 455
Farm animals, 562
Fasting, preanesthesia and, 483
Fatty liver disease, see Hepatic lipidosis
Feathers, trimming of, 290
Fecal flotation, 367
Fecal samples, 364
Fecal smears, 366
Federal laws, 46
Feeding. See also Nutrition
  anorexic patient, 166
  cost, 168
  force, 260
  guidelines, website, 172
  livestock, 169
Feline distemper vaccination, 561
Felines
  age determination of, 461
  bag, 225
  body conditioning score, 311
  carrying, 209
  defensive anatomy, 198
  dental arcade, 456
  feeding, 260
  fractious, 225
  generic wellness programs for, 561
  handling of, 197, 202, 212, 220
  kenneling, 205, 258, 266
  intubation and, 487
  nail trimming, 278
  oral medication administration and, 292
  pain scale for, 318
  restraint, 211
  sex determination of, 320
  vaccines for, 561
  venipuncture for, 222
Femoral artery, pulse measurement and, 314
Femoral vein, 218
Fenestration, 501, 536, 537
Fight-or-flight distances, 197
Fight-or-flight response, 154
Filing, 72
  alphabetic, 70
  numeric, 71
  radiographs, 427
Films
  cassettes and, 419, 423, 424
  developing of, 423, 426
  filing of, 427
  halide, 407
  handling, 424
  identification and, 419
Filters
  air, 473
  aluminum, 410
  dryer, 122
Fingernails, 30
First in – First out (FIFO) method, 567
Fishnet, 266
Fixer tanks, 427
Fleas, overview of, 361
Flexible endoscopes, 438
Flies, overview of, 361
Flocculent defined, 387
Flooring, 474
Flotation, fecal, 367
Flowmeters, 490, 495
Flow rates
  IV fluids, 326
  oxygen, 496
Fluid status, see Hydration
Fluorescein stain, 251
Flush, catheters and, 328
Fomites, 105
Force-feeding, 260
Forceps, 530, 531
Formaldehyde, 109, 407
Freezers, sanitation and, 120
Frontal, defined, 586
Fungal pathogens, identification of, 392
Garbage In Garbage Out (GIGO) effect, 15
Gauges
  needles, 303
  oxygen, 496, 495
Gauze muzzles, 229
Gender, terminology for, 591
Genetics, 130
Genitalia, sex determination and, 321
Genotypes, 130
Genus/Genera, 591
Giardia, 364
Gingivitis, pain and, 448
Glasgow Pain Scale, modified, 605f
Gloves
  as PPE, 52, 55f, 415
  restraint, 238
  surgery and, 505
  universal precautions and, 53
Glutaraldehyde, 109, 526
Glycogen, 161, 484
Goggles, as PPE, 48, 52
Gown packs, 535
Gowns
  as PPE, 52
  surgical, 536
Gram stain, 392
Gray top tubes, 599
Greenies, 307
Green top tubes, 599
Grids, radiology and, 407, 410, 417
Grief, 90, 350, 564
Grooming
  anal glands expression and, 283
  bathing, dipping and, 284
  clipper maintenance and, 287
  ear cleaning and, 276
  flight feather clipping and, 290
  in hospital, 267
  nail trimming and, 278
  outpatients, 273
  tools, 273
  websites, 308
Guardians, 45
Gums, monitoring, 518, 521
Gurneys, heavy animals and, 339
Half hitches, 192, 193f, 501
Halters, horses and, 198, 232, 233f
Halter ties, 180, 182f
Hand piece, endoscopes and, 435, 444, 452, 454
Hand washing, 55
Handwriting, 545
Hanking, 179
Hazard Communication Coordinator, 48
Hazardous waste, 123
Heads, restraint of, 213
Healing, pain, 318
Health, defined, 243
Health certificates, 86
Heart rates, determination of, 311
Heartworm disease, 105
Hematocrit (HCT), 372. See also Packed Cell Volume
Hematology analyzers, 355, 372
Hemiparesis, defined, 586
Hemolyis, blood collection and, 371
Heparinized capillary tubes, 379
Heparinized saline solution, 328
Hepatic lipidosis, 261
Heterozygous, 131, 133
Hide and see, restraint technique, 226
Hobbles, 231
Homozgyous, 131, 133
Horses, see Equines
Hospital waste, 123
Hospitalization, 253. See also Admission
  basic needs and, 255
  environmental considerations, 257
  feeding, 259
  grooming and, 267
  medical records and, 254
  pain and, 318
  socialization, exercise and, 264
  water, 262
Hospitals, closing procedures for, 99
Housing overview of, 112
Human–animal bond, 27
Hydration, monitoring, 515
Hydrogen peroxide, 122, 220
Hydrogen peroxide gas plasma sterilizer, 527
Hyperthermia, 257, 285, 491
Hypothermia, 491, 515
Iatrogenic injuries, 211,
Identification
  animals, 43, 203, 204, 470, 562
  bacteria, 392
  fungal, 392
  parasites, 360
  radiographs, 419
  surgical instruments, 530
  teeth of, 455
Imaging. See also Films; Radiography;
  Ultrasonography
  caliper usage and, 410, 416
  darkroom maintenance and, 428
  logbooks and, 414
  overview of, 407
  patient positioning and, 421
  technique charts and, 417
Immersion oil, 357
Immunization, see Vaccinations
Incisors, 457, 460, 463
Infection Control Officer, 53
Infections
  bacterial, 391
  ear, 296
  nosocomial, 105, 106
  secondary, 105
  skin, 156
  surgery and, 511
Infectious diseases, 243
Infusion pumps, 326
In-house communications, 568
In-house testing, defined, 355, 380
Injectons
restraint for, 215, 217
types, 301
Instruments
dental, 449, 449f, 450, 450f, 451f
surgical, 530
Insurance, liability, 43
Intake procedures, 78
Intensifying screens, 417, 424
Internal parasites, see Endoparasites
International shipment of animals, 87
Interstitial shipment, 86
Intramuscular (IM) injections, see Injections
Intranasal (IN) vaccinations, see Injections
Intraoral dental radiography, see Dental radiography
Intravenous (IV) fluids, 218, 263, 326, 327f
Intubation, 487
Inventory control, 565
Invoices, inventory and, 567
Iodine, 109
Isolation ward, 116
Isopropyl alcohol, 109, 300
Jugular vein, 218, 221, 370
Kennel cough, isolation and, 105, 149, 218
Kennels, 112, 114, 115, 255
Kingdoms, 129
Kitty burrito, 226
Knots overview of, 174. See also names of specific knots
Kongs, 307
Labels/labeling
drug prescriptions and, 545, 546
prescriptions and, 549, 550
product safety labels and, 49
radiographs, 419
samples, laboratory 221, 365
surgical packs, 533
vaccinations and, 305
Labial, defined, 458f, 459
Laparoscopy, 439
Laparotomy, 579
Lap pads, 340
Lariats, 176
LARK mnemonic, 341
Laryngoscopes, 488, 489f
Lateral, patient positioning and, 400, 416, 421, 439, 448, 462, 489, 498, 499f
Lateral recumbency
defined, 141, 588
restraint procedure, 216, 217f
surgical positioning, 499f
Laundry
cleaning, 120
infectious diseases and, 116, 122
procedures, 121
surgical, 120, 540
Lavender top tubes, 599
Laws
common, 43
federal, 46
local ordinances, 61
OSHA and, 42, 46, 48
overview of, 46
state, 56
Leads, ECG/EKG, 492
Leash laws, 60, 61
Leash muzzles, 230
Leashes, 198, 227, 265
Letters, writing of, 571
Leukemia vaccination, see Core vaccines
Leukocytes, 375
Liability, defined, 43
Lice, overview of, 361
Licensed Veterinary Technicians (LVT), 34
Licensing
pets and, 61
rabies certificates and, 84
Lifting, animals and, 51, 209
Lighting
cleaning surgical, 473
emergency 474,
surgery and, 503
Linnaean System of Classification, 129
Liquid, medication administration and, 291, 293f
Livestock, medication administration and, 291, 293f
Local ordinances, defined, 169
Local ordinances, 61
Logbooks
controlled substances and, 480
equipment maintenance, 355
laboratory, 251
radiography and, 414
surgery and, 479
Loops, defined, 175
Lubricants, 282, 289, 315, 529
Lugol’s solution, 366
Lye, 109
Malpractice, defined, 43
Mandible, 139f, 140t
Manners, see Common courtesies
Marine mammals, 47
Masks, personal protective equipment, 48, 52
Master problem lists, 69
Material Safety Data Sheets (MSDS), 48
Mathematics, 9
Maxillary, defined, 140r
Mayo stands, 473, 475, 505, 506
Medial, patient positioning and, 141
Medical records, see Records, medical
Medications
administration of, 291
aural administration of, 295
injections and, 300
ophthalmic administration of, 299
oral administration of, 291
restraint, for 213
topical administration of, 297
Mesial, defined, 458f, 459
Metabolism, 160
Methylene blue stain, 375
Metric system, 589
Micturition, 152
Midstream urine collection, 384
Microhematocrit centrifuge, 377
Microhematocrit reader, 377
Microscopes, overview of, 357
Milliampere-second (mAs), 418
Mitchell markers, 420
Mites, overview of, 362
Mixing, vaccines, 305
“Model Practice Act for Veterinary Technicians,” 57
“Model Veterinary Practice Act,” 57
Modified Glasgow Pain Scale, 605
Molars, 455, 457f
Monitoring, during surgery, 477, 478f, 491
Mosquitoes, overview of, 361
Mucous membranes, 105, 149, 471, 515
Multiple-dose vials, 305
Muscle/limb relaxation, 488
Muzzles, 226, 228, 228f,
Nails, trimming of, 278, 280f
Nasogastric tubes, 292
National Association of Veterinary Technicians of America (NAVTA), 34
Neck brace, 230
Necropsy, 399
Necrosis, 151
Needles, suture, 506, 531, 532f
Negative reinforcement, 203
Negligence, defined, 43, 88
Neurological systems, pain and, 154
Neutering, 32. See also Orchidectomy; Ovariectomy
Nitrous oxide, 477
Nits, 273
No Carbon Requirement (NCR) forms, 95
Noncore vaccines, 561
Nonhazardous waste, overview of, 123
Nosocomial infections, 106
Notoedectes, 362
Nothing by mouth (NPO), 594
Nuisance laws, 61
Numeric filing, see Filing
Nutrition, overview, 160. See also Feeding
Nylon rope, see Ropes
Obesity, defined, 242
Objective, SOAP and, 244
Oblique, patient positioning and, 421
Occlusal, defined, 458f, 459
Occupational Safety and Health Administration (OSHA), 42, 46, 526
Ointments, 276
Onychectomy, 511
Open gloving, 505
Ophthalmoscope, 250
Oral administration, 291
Oral disease, 448
Orchidectomy (castration), 510
Orders, inventory, 566
Oscillometric monitors, 491
Otodectes, 362
Outer wraps, 52
Out-guide, 73
Ovariohysterectomy (OVH), 81, 510
Oximetery, see Pulse oximeter
Oxygen, 340
Packed Cell Volume (PCV), 372, 377
Pain
evaluation of, 317
causes of, 318, 319f
signs of, 521
Palmar, 421
Palpebral reflex, 488, 515
Parasites
external/ectoparasites, 267, 360, 562
internal/endoparasites, 363, 562
Patency, catheters and, 326, 328
Pathogens, 105, 106, 108, 394, 471
Patient positioning, 421, 465, 499f, 501
Patient records, 33, 68, 138, 246
Patient rights, medication administration, 545
Payment, 69, 93
Pedal reflex, 488
Penrose drains, 331
Perineum, examination of, 214
Periodontal disease, see Oral disease
Personal Protective Equipment (PPE)
bathing and grooming, 284
laboratory, 355
overview of, 48, 51
radiography, 409, 415
Pharyngostomy, 260
Phenol coefficient, 108
Phenotypes, 130
Phyla, 243
Physical examinations, 483, 562
    restraint for, 213
SOAP, record, 244
Pill-counting trays, 552, 552f
Pinna, 32
Pitting edema, 329
Planning, SOAP and, 244
Plantar, patient positioning and, 421
Plaque, 307, 453, 462
Plasma protein determination, 372, 378
Poisons, see Toxins, diseases and
“Policy and Procedure Manual,” 61, 564
Polishing, 453
Positive reinforcement, 203, 265
Postcards, 90, 570
Postoperative care, overview of, 520
Potomac Horse Fever (PHF), 561
Povidine-iodine, 109
PPE, see Personal Protective Equipment
Practice protocols, see Protocols, use of
Predators, 197
Prefixes, 577
Pregnancy, safety, 411
Prescriptions (Rx)
    abbreviations for, 589, 593
    controlled substances and, 42, 47, 480
    dispensing of, 546
    drug identification and, 545
    instructions for owners and, 556
    labeling and, 549
    overview of, 543
    packaging of, 551
    reading of, 546
Preventative medicine, 361
Prevention, nosocomial infections and, 116
Prey animals, 130, 197
Primary bandage layer, overview of, 334
Property, animals as, 43, 44, 45, 61
Protocols, use of, 244, 248
Proximal, 421
Pruritus, 156
Psychological restraint, 202
Pulse, determination of, 311
Pulse oximeter, 492
Punnett squares, 131
Quats (quaternary ammonias), 109
Quick-release poles, see Capture pole

Rabbits
    breeding, 153
    breeds, resource, 135
    blood collection, 219
    dentition, 463
    feeding, 263
    genetics, resource 135
    nail trimming, 280
    restraint of, 234, 236f
    sexing, 321, 322f
Rabies
    certification of vaccination and, 84
    human safety, 53
    licensing, 61
    necropsies and, 400
    overview, 59
    pole, 230
    quarantine for, 269
    requirements for vaccination against, 60, 85
    restraint for, 218
    vaccinations for, 561
Radiation safety, 409
Radiography. See also Films; Imaging
calipers, use, 416
cassette handling, 425
cassette storage, 426
cleaning cassettes, 424
darkroom maintenance and, 428
developing, manual 423
dental, 464
film filing and, 427
film handling and, 424
film identification, 419
film storage, 424
intensiﬁying screens, 417
logbook, 413
overview, 407
PPE, 415
reducing scatter radiation, 410
technique charts and, 417
safety, 409
size selection, 410, 419
Ratios, 9
Reagents, control, 355
Rebreathing bags, 494
Rebreathing systems, 494
Receptionist, role of, 33
Recessive traits, animal classiﬁcation and, 131
Reconstitute, vaccines and, 551
Records, medical
    client, 68
    client communications and, 570
    color-coding of, 70
    consent forms and, 88
    filing of, 72
    intake procedures and, 78
    out-guide, 73
    overview of, 78
    patient discharge and, 92
    release of patient information and, 82
    signalment and, 129
    updating client information and, 77
Rectal temperature measurement, 315
Recumbency, see Restraint
Red Blood Cell (RBC), morphology of, 369
Red top tubes, 599
Reference laboratories, 372, 402
Refills, prescriptions and, 547
Reflexes, 488
Refractometers, 359
Registered Veterinary Technician (RVT), role of, 34
Reinforcement, see Positive reinforcement; Negative reinforcement
Reminder cards, 75, 90
Respiratory rates, and, 311, 313, 318, 518
Restraint
avian, 236, 237f
behavior, 198
body language, 199
dogs and cats, overview, 210
dorsal recumbency, 217, 439, 498, 499f, 501
Elizabethan collar and, 231
examination, 214, 214f
field of vision, 197
fractious cats, 225, 227f
fractious dogs, 227
haltering of horses and, 232, 233f
head, 211, 212f
injections and, 217
intubation and, 488, 489f
kenneling and, 205, 206f
lateral recumbency, 217f
leg, 213, 213f
lifting and, 209
muzzling, 228, 228f
overview of, 195
physical, overview, 203
psychological, 202
rabbits and, 234, 236f
recumbency, overview, 215
sheep and, 198
selection of, 200
sternal recumbency, 215
tail docking and, 511
venipuncture and, 218, 221f, 222, 223f, 224
Rigid endoscopes, 437
Rocky Mountain Spotted Fever, 361
Ropes, 193
Rose Bengal stain, 251f
Rostral, patient positioning and, 141, 421, 588
Safety. See also Occupational Health and Safety Administration; Personal Protective Equipment
anesthesia and, 494
cage cards, 269
cleaners and, 108
equipment, 48, 51
ethylene oxide, 526
five patient rights, 545
hospital waste, 123
labels and, 49, 50f
lights, 423, 429
material safety data sheets, 48
overview, 48
patient, monitoring, 477
personal safety, 30,
prescription containers, 551
radiation, 409
walking dogs, 265
Sample collection, and, 362, 390
Saphenous vein, 224
Scales, 311, 484, 494
Scissors, 329, 525, 529, 530, 531
Screen calls, 96
cleaning intensifying, 424
intensifying, 417
tests, 372
Scrotum, orchidectomy and, 510. See also Castration
Scrub packs, 504, 508
Scrub solutions, 109, 499
Scrubbing and, 471, 499, 500f, 504
Scrubs, 30, 107, 109, 474, 540
Secondary bandage layer, overview of, 329, 334, 336f
Secondary infections, 105
Sedation and, 434, 486
Sharps containers, 123, 473, 531
Sheather’s solution, 367
Shipping, interstate, 46
Shirmer Tear Test strips, 251f
Shivering, 318
Signalment, 69, 80
Single-dose vial, 303
Sinks, 250, 473
Skin
endoscopy and, 431
preparation for surgery and, 439, 471, 498
topical medication administration and, 331
Skin scraping, 156, 362
Smears, 356
Snare poles, see Capture pole
SOAP notes, 244
Socialization, 264
Soda lime granules, 495, 495f
Soft Paws, 511
Sound waves, 408
Spay hooks, 530, 531f
Spay pack, 533
Spaying (ovariohysterectomy), 510
Species, 69, 129
Specific gravity, 359, 367, 379, 379f
Sponges, gauze, 330, 443, 499, 534
Spores, infectious diseases and, 106, 109, 526
Square knot, 181
Standing part, defined, 181
State laws, 56
Statutory laws, 44
Sterile packs, 340, 472, 506
Sterilization, 526
Sterilization indicators, 527, 528f
Sternal recumbency, 215, 219, 256, 280, 416, 488, 493, 498, 499f, 518
Stethoscopes, 106, 147, 214, 313, 314
Strangles, 561
Stretch, the, 226
Subcutaneous injections, 85, 156, 162, 216, 218, 263, 300, 301, 484, 517
Subjective, SOAP, 244
Substantive law, 44
Suffixes, 577
Sulcus, defined, 459, 462,
Supervision, state laws and, 34, 57, 58, 231, 263, 265
Surfaces, cleaning of, 391
Surgeons, gowning of, 504
Surgery
  aseptic technique and, 106, 327, 384, 470, 471
  cleaning of, 472
  emergencies, 519
  frequently performed, 509
  gloving and, 508
  gowning of surgeon and, 504
  instruments for and, 529, 530, 531f
  logbooks, records and, 478, 480
  medical records, 476
  opening surgical packs and, 504, 504f, 505f
  packs and, 503, 533, 535f, 536f, 537f, 538f, 538f
  pain management and, 521
  patient positioning and, 499, 499f, 502, 502f
  postoperative care and, 514, 519
  preparation areas of, 500, 500f,
  scalpel blades, sutures, needles and, 506, 532f
  site preparation and, 498,
  sterilization techniques, equipment and, 526
  suture removal, and, 524
Swabs, Culturettes and, 391
Swallowing reflex, 484, 488, 492
Sympathy cards, 90
Syringes, filling and, 300, 302
Systolic blood pressure, 313, 491,
Tail, docking of, 511
Tattoos, 30, 86, 88, 562
Technique charts, 417
Technocompetency, overview of, 17
Teeth, see Dental care; Dental formulae
Telemedicine, 57, 407
Telephones, 66
Temperature, 10, 17, 311. See also Body temperature
Tentative diagnosis, 244
Terminology
  classification and, 129, 242
  client communication, 569
  dental, 458, 458f
  diagnostic imaging, 407
  directional, 139, 139f, 140, 140r, 141, 142f
  disease and, 149
  gender and, 591
  knot tying, 175
  metric system and, 11
  overview of, 6
  prescriptions and, 556
  scientific names, 591
  suffixes, prefixes, roots and, 577
Tertiary bandage layer, overview of, 329, 334
Test kits, commercial, 369, 382
Test strips, 251f, 356, 381
Tetanus toxoid, vaccine, 561
Thermometers, 315, 317
Thorax, examination of, 139, 337f
Thready, pulse measurement and, 314
Thumb forceps, 530, 531
Ticks, overview of, 156, 296, 360, 361, 562,
Tidal volume (Vt), 494
Tiger stripe tubes, 599
Time markers, 420
Topical administration, 297, 488
Total solids meters, see Refractometers
Toxins, diseases and, 75, 147, 151, 242
Tragus, 276
Transdermal vaccine administration, 301
Transferring, 49, 112, 394
Transmission, of infectious diseases, 29, 52, 103
Treatment plans, 246, 522
Treatment rooms, working in, 35, 250
Triadan system, 455, 456
Two-mop bucket method, 112,
Typanic membranes, 276
Ulcers, 267, 319f, 345,
Ultrasonic cleaners, 529
Ultrasonic scaler, 452
Ultrasonography, 215, 408, 430
Ultraviolet lights, disinfection and, 110, 119
Underweight, defined, 312, 597f
Units, 10, 547, 566, 589. See also Conversions;
  Metric system
Universal precautions, 52
Uroliths, 152
U.S. Department of Agriculture, 47
Uterus, 81, 153, 509

Vaccinations
core, 561
laws, 59
overview of, 148
preparation of, 305
rabies and, 84
restraint during, 211, 218
Vaporizers, 477, 490, 495, 495f, 515
Varieties, of animals, 129
Vectors, infectious diseases and, 562
Venipuncture
cephalic, 219
defined, 369
femoral, 224
jugular, 222, 223f
restraint during, 215, 216, 218, 226
saphenous, 224
Ventral, 141, 421, 586, 588f
Very thin, defined, 312, 597f
Vestibular, defined, 154
Veterinary Practice Acts, 56
Veterinary Technical Assistants (VTA), 34
View boxes, 407, 430,
Virucide, defined, 106
Virustatic chemicals, 106
Visual fields, restraint and, 197
Vital signs, 311
Vomiting, anesthesia and, 487, 492, 521,
V-shaped positioners, 500
Waivers, 82,
Walking dandruff (Cheyletiella), 362
Walk-ins, 75
Walls, surgical suite maintenance and, 473
Washing, hands and, 53, 55
Waste, see Hospital waste
Weighing animals, 311, 484, 494
Wellness programs, 561
Western Equine Encephalitis, 561
West Nile Virus, 561
Whipping, cotton ropes and, 176
White Blood Cell (WBC) counts, 366
Windowing, 407
Windows, cleaning, 119
Wounds care and, 330
Wright’s stain, 375
X-rays, see Radiography
Zoning ordinances, 61