

# Subject Index

## A

Acetate sheets, 52  
ACF (American Culinary Federation), 6  
Acids, 66  
Active dry yeast, 23, 109  
Aerobic bacteria, 79  
Agar-agar, 19, 70  
Airbrush, 52  
Alcohol consumption, as workplace hazard, 89  
All-purpose flour, 15  
Allspice, 25  
Almonds, 27. *See also* Marzipan  
American Culinary Federation (ACF), 6  
American-style wedding cakes, 1032  
Americans with Disabilities Act of 1990, 89  
Anaerobic bacteria, 79  
Angel food cakes, pan preparation for, 254, 255  
Angel food mixing method, 265, 266  
Anise seeds, 26, 28  
APC (as-purchased cost per unit), 98  
Apples, 30  
    blown sugar, 995–996  
Apple corers, 44  
APQ (as-purchased quantity), 98–99  
Apricots, 34  
Arrowroot, 19, 70  
Ash content (in flour), 15  
Asian pears, 30  
As-purchased cost per unit (APC), 98  
As-purchased quantity (APQ), 98–99  
Assembling and finishing:  
    cakes and tortes, 668–680  
    multitiered cakes, 1033–1034  
    pies and tarts, 618–623  
    strudel, 627  
Australian-style wedding cakes, 1032–1034  
Autolyse mixing, 157

## B

Bacteria, 79  
Bagels, 120  
Baguettes:  
    scoring, 115  
    shaping, 114  
Bain-marie, 395  
Baked custards, 394–395  
Bakers, 2. *See also* Baking and pastry profession

    career opportunities for, 4  
    certifications for, 6  
Baker's cheese, 20  
Bakers' percentages, 100–102  
Baker's scales, 40  
Bakeshops, commercial and individually-owned, 4  
Baking and pastry profession, 2–11  
    business of baking and pastry, 7–11  
    cardinal virtues of, 11  
    career opportunities, 4, 5  
    certification, 6  
    continuing education, 6  
    formal education, 5  
    foundations of, 11  
    networking, 6  
Baking chocolate, 22  
Baking formulas, 92–99  
    as-purchased cost per unit, 98  
    as-purchased quantity, 98–99  
    calculating adjustments/conversions, 93–95  
    edible-portion cost, 99  
    edible-portion quantity, 99  
    precision scaling, 92–93  
    standardized, 93  
    U.S. system and metric conversions, 97  
    volume vs. weight measures, 95–97  
    yield percentage of fresh fruits and vegetables, 98  
Baking pans, 52–54  
Baking powder, 23, 65, 66  
Baking principles, 60–75  
    baking science, 62  
    basic ingredients, 62–64  
    emulsions, 72–73  
    healthy baking, 74–75  
    leaveners, 64–66  
    sweeteners, 66–68  
    tempering chocolate, 74  
    thickeners, 69–72  
Baking science, 62  
Baking soda, 23, 65  
Bananas, 37  
Bands, chocolate, 989  
Bannetons, 48  
Banquets, plated desserts for, 862  
Bar cookies, 331  
Bartlett pears, 30  
Bases, 66  
Basil, 24  
Basket-weave rolling pins, 49  
Bâtard, shaping, 113  
Batch ice cream freezers, 58  
Bavarian cream, 399

Bay salt, 23  
Beakers, graduated, 41, 42  
Beam balance scales, 40  
Bench knife, 48  
Bench rest, 112  
Berries, 31–32  
Beta crystals, in tempering chocolate, 74, 905  
Biga, 154, 155  
Biological contaminants, 78–79  
Bitter chocolate, 22  
Bitter oranges, 32, 33  
Bittersweet chocolate, 22  
Blackberries, 32  
Black Friar Rosa plums, 34  
Blenders, 55  
Blending mixing method, for quick breads and cakes, 255  
Blind baking shells, 623  
Blitz puff pastry, 229–230  
Block method, for tempering chocolate, 905  
Blood oranges, 32  
Bloomy rind cheeses, 20  
Blossoms, pulled sugar, 998, 999  
Blow dryers, 52  
Blown sugar apples, 995–996  
Blown sugar pumps, 52  
Blueberries, 32  
Blue cheeses, 20  
Boiled custards, 396  
Bombes, 562, 564  
Borders, piped buttercream, 980–982  
Bosc pears, 31  
Botulism, 78  
Bouchées, 766  
Bouillon strainer, 48  
Boule, shaping, 113  
Bow:  
    fondant, 1009–1010  
    pastillage, 1010  
Boysenberries, 32  
Bramble berries, 32  
Bran, wheat, 14  
Brazil nuts, 27  
Bread baking:  
    functions of salt in, 65  
    quick breads and cakes, *see* Quick breads and cakes  
    tools for, 48  
    yeast-raised, *see* Yeast-raised breads and rolls  
Bread flour, 15  
Breeding, for frying, 830  
Breakfast pastries, 730–761  
    coffee cakes, 734  
    croissant and Danish dough, 732

    doughnuts, 735  
    muffins, 735  
Brigade system, 2  
British-style wedding cakes, 1032, 1033  
British thermal units (BTUs), 109–110, 1034  
Broiling, in savory baking, 827  
Browning reactions, 68  
Brown sugar, 16, 17  
BTUs (British thermal units), 109–110, 1034  
Buckwheat, 16  
Buffalo choppers, 55, 57  
Bulk fermentation, 110–111  
Burr mixers, 55  
Business of baking and pastry, 7–11  
Butter, 20–21, 64  
Buttercream, 466–468  
    flavoring, 468  
    French, 467–468  
    German, 467  
    Italian, 466  
    for modern wedding cakes, 1032  
    piped borders and flowers, 980–982  
    Swiss meringue, 466–467  
    for traditional wedding cakes, 1032  
Butter ganache, 909  
Buttermilk, 19–20

## C

Cakes. *See also* Quick breads and cakes  
    assembling and finishing, 668–680  
    covered in fondant, 979–980  
    covered in modeling chocolate, 979  
    enrobing in marzipan or rolled icing, 678  
    garnishing, 671  
    gelatin-based fillings, 672  
    glazing, 677  
    icing, 674–676  
    molding, 672–673  
    pan preparation for, 254  
    specialty, *see* Specialty cakes  
    sponge, pan preparation for, 254  
    wedding, *see* Wedding cakes  
Cake combs, 50  
Cake flour, 15  
Cake pans, 53  
Cake rings, 54  
Candied fruits, for rochers, 919  
Candies, hard, 925  
Candy thermometers, 42  
Canola oil, 21

- Cantaloupes, 34  
 Carambola, 37  
 Caramel(s):  
   for dragées, 921  
   soft, 924  
 Caramel bars, 51–52  
 Caramelization, 68  
   with dragées, 921  
   in sugar cooking, 922, 923  
 Caramel sauce, 473–474  
 Caraway seeds, 26, 28  
 Cardamom, 26  
 Careers, *see* Baking and pastry profession  
 Carême, Marie-Antoine, 2  
 Casaba melons, 34  
 Cashews, 27  
 Cassava, 19, 70  
 Caterers, careers with, 4  
 CB (Certified Baker), 6  
 CBB (Certified Bread Baker), 6  
 CCPs (critical control points), 83–84, 93  
 CD (Certified Decorator), 6  
 Celiac disease, 74, 75  
 CEPC (Executive Pastry Chef), 6  
 Cereals, 14  
 Certification:  
   of kitchen safety, 88–89  
   of professionals, 6  
 Certified Baker (CB), 6  
 Certified Bread Baker (CBB), 6  
 Certified Decorator (CD), 6  
 Certified Journey Baker (CJB), 6  
 Certified Master Baker (CMB), 6  
 Certified Master Pastry Chef (CMPC), 6  
 Certified Pastry Culinarian (CPC), 6  
 Certified Working Pastry Chef (CWPC), 6  
 Champignon, 47  
 Cheddar cheese, 20  
 Cheeses, 20  
 Cheesecake, 395  
 Cheesecloth, 48  
 Chef's knives, 43  
 Chef's uniform, 87–88  
 Chemical leaveners, 23, 65, 66  
 Cherries, 34  
 Chestnuts, 27  
 Chiffonade, 822  
 Chiffon mixing method, 266  
 Chive, 24, 25  
 Chocolate, 22–23  
   bloom, 22  
   melting, 904  
   modeling with, 990–991  
   for modern wedding cakes, 1032  
   sauces, 472  
   tempered, *see* Tempered chocolate  
   tempering, 74, 904–907  
   types of, 22–23  
 Chocolates and confections, 902–975  
   butter ganache, 909  
   coating truffles in tempered chocolate, 910–911  
   cooking sugar to stages, 922–923  
   couverture, 904  
   cream ganache, 907–909  
   dipping confections, 912–913  
   dragées, 921–922  
   egg ganache, 909  
   finishing truffles and confections, 913–914  
   gianduja, 921  
   hard candies, 925  
   hollow chocolate shells, 915–916  
   making stencils, 910  
   melting chocolate, 904  
   mendant, 920  
   molding chocolates, 916–918  
   peanut brittle, 925  
   piping truffles, 910  
   rochers, 919  
   soft caramels, 924  
   tempering chocolate, 904–907  
 Chocolate cigarettes, 987–988  
   marbled, 989  
   mini, 988  
   striped, 988–989  
 Chocolate cutters, 51  
 Chocolate fondant, 469  
 Chocolate liquor, 22  
 Chocolate molds, 50  
 Chocolate sabayon, 471  
 Chocolate sauce, 472  
 Chopping (vegetables and herbs), 821, 824  
 Chopping equipment, 55–57  
 Christmas pudding, 397  
 Churned-frozen ice cream, 556–558  
   adding flavorings, 557  
   adding fruits, 557, 558  
   consistency and mouthfeel, 556–557  
 Cigarettes, chocolate, 987–988  
   marbled, 989  
   mini, 988  
   striped, 988–989  
 Cinnamon, 26  
 Citrus fruits, 32–33  
 Citrus suprêmes, cutting, 624  
 Citrus zesters, 44  
 CJB (Certified Journey Baker), 6  
 Cleaning:  
   dessert stations, 862  
   for food safety, 81, 85  
 Cleanup period (yeast-raised bread dough), 106, 108  
 Clear caramel sauces, 473  
 Clear flour, 15  
 Clementines, 33  
 Clingstone peaches, 34  
 Clothing, safety considerations for, 86–88  
 Cloves, 26  
 Clubs, careers in, 4  
 CMB (Certified Master Baker), 6  
 CMPC (Certified Master Pastry Chef), 6  
 Coagulation, partial, 72  
 Coating truffles, 910–911  
 Cocoa butter, 22, 74  
 Cocoa powder, 22  
 Coconuts, 27  
 Coffee, 27  
 Coffee cakes, 734  
 Coffee-flavored fondant, 469  
 Colanders, 48  
 Cold foaming method, 261–262  
 Cold-holding equipment, 82  
 Coloring fondant, 469  
 Combination mixing method (quick breads and cakes), 266–269  
 Combi ovens, 57  
 Comice pears, 31  
 Commercial bakeries, 4  
 Commitment to service, 11  
 Common (French) meringue, 464  
 Communication, 11  
 Compotes, fruit, 472  
 Compounds, as ice cream flavoring, 557  
 Compound chocolate, 23  
 Compressed fresh yeast, 23  
 Confections. *See also* Chocolates and confections; Truffles  
   décor for, 914  
   dipping, 912–913  
   finishing, 913–914  
 Confectioners' rulers, 51–52  
 Confectioners' sugar, 17  
 Confectionery coating, 23  
 Confectionery tools, 50–52  
 Consultants, 4  
 Contaminants, food, 78–79  
 Continuing education, 6  
 Contrast, in plated desserts, 860–861  
 Control measures, 85  
 Convection ovens, 57  
 Conventional ovens, 57  
 Converted starches, 19  
 Cookies, 328–391  
   bar, 331  
   cooling, 330  
   drop, 330–331  
   molded, 335  
   pan preparation, 330  
   piped, 336  
   stenciled, 333–334  
   tools for, 49  
   traditional rolled and cut-out, 332–333  
   twice-baked, 335  
 Cookie cutters, 49  
 Cooking sugar to stages, 922–923  
 Cooling:  
   cookies, 330  
   danger zone in, 82  
   quick breads and cakes, 254–255  
 Cooling racks, 50  
 Coppedge, Richard, 4  
 Cordials, 26, 34  
 Corers, 44  
 Coring fruit, 626  
 Cornmeal, 16  
 Corn oil, 21  
 Cornstarch, 19, 70  
 Corn syrup, 17  
 Coronne Lyonnaise, 116  
 Corrective action plans, 85  
 Costing wedding cakes, 1035  
 Couche, 48  
 Coulis, 472  
 Count, 92  
 Couverture, 904, 916  
 Couverture chocolate, 22  
 CPC (Certified Pastry Culinarian), 6  
 Cracked grains, 14  
 Cracked wheat, 16  
 Cranberries, 31, 32  
 Cream, 19. *See also* Whipped Cream  
   Bavarian, 399  
   boiled, 396  
   heavy, 19  
   pastry, 400, 467  
   sour, 19–20  
   whipped, 468  
   whipping, 19  
 Cream cheese, 20  
 Cream ganache, 907–909  
 Creaming mixing method:  
   leavening in, 66  
   quick breads and cakes, 256–259  
 Cream of tartar, 464  
 Crème anglaise, *see* Vanilla sauce  
 Crème caramel, unmolding, 395  
 Crème fraîche, 19–20  
 Crenshaw melons, 34  
 Crêpe pans, 55  
 Critical control points (CCPs), 83–84, 93  
 Critical limits, 85  
 Croissant dough, 226, 732  
 Crumb coat (cakes), 674–675  
 Crumb crusts, 224  
 Crumb toppings, for pies and tarts, 620, 621  
 Crystallization:  
   of ganache, 916  
   of sugars, 67, 923  
   in tempering chocolate, 74, 905  
 Cultured dairy products, 19–20  
 Cups, measuring, 41  
 Currants, 32  
 Custards:  
   baked, 394–395  
   boiled, 396  
   hot water bath, 395  
   savory, 394  
   stirred, 396  
   unmolding, 395

- Custard ice cream, 556
- Cutouts:  
 chocolate, 985–986  
 marzipan flowers, 991  
 for modern wedding cakes, 1032–1033
- Cut-out cookies, 332–333
- Cutting tools, 42–44
- CWPC (Certified Working Pastry Chef), 6
- D**
- Daily operations, review of, 11
- Dairy products, 19–21  
 butter, 20–21  
 cheeses, 20  
 fermented and cultured, 19–20  
 low-fat and fat-free, 74  
 milk and cream, 19  
 as potentially hazardous food, 79
- Damson plums, 34
- Danger zone, 80–83  
 in cooling foods, 82  
 four-hour period, 81  
 in holding foods, 81–82  
 in receiving and storage, 81  
 in reheating foods, 82  
 in serving foods, 83  
 in thawing frozen foods, 82
- Danish dough, 226, 732
- D'anjou pears, 31
- Dark chocolate, 905. *See also* Tempered chocolate
- Dark chocolate sauces, 472
- DDT, *see* Desired dough temperature
- Deck ovens, 57
- Décor, 976–1028. *See also* Specialty cakes; Wedding cakes  
 buttercream piped borders and flowers, 980–982  
 for confections, 914  
 embellishing, 1012  
 fondant, covering cake in, 979–980  
 marzipan, 991–994  
 modeling chocolate, 990–991  
 rolled fondant, 1028  
 royal icing, 983–985  
 sugar pastes, 1003–1011  
 sugar work, 995–1002  
 tempered chocolate, 985–990  
 templates for, 1082–1083  
 tools for, 50–52, 978
- Decorating combs, 50
- Decorating sugar, 16
- Décor pastes. *See also* Sugar pastes  
 gum paste, 52, 1003–1008, 1012  
 marzipan, 991–994, 1012, 1032
- Décor tools, 50
- Deep-fat thermometers, 42
- Deep frying, in savory baking, 830, 831
- Desired dough temperature (DDT):  
 calculating, 101–102  
 for yeast-raised breads and rolls, 109–110
- Dessert station mise en place, 862
- Dextrose, 66
- Dicing vegetables, 823
- Digital scales, 41
- Digital thermometers, 42
- Dill, 25
- Dipping confections, 912–913
- Dipping tools, 50, 51
- Direct fermentation, 106
- Display refrigeration cases, 58
- Docking, 620
- Dogwood flowers, sugar paste, 1010
- Double-acting baking powder, 65, 66
- Dough dockers, 49
- Doughnuts, 735
- Doweling a cake, 1033–1034
- Dragées, 921–922
- Dried eggs, 21, 34
- Dried fruits, plumping and macerating, 261
- Drop cookies, 330–331
- Drug use, workplace safety and, 89
- Drum sieve, 47, 48
- Dry measuring cups, 42
- Dry method (sugar cooking), 922–923
- Durum flour, 15
- Durum wheat, 14
- Dutch-process cocoa powder, 22
- E**
- Éclairs, piping, 767
- Edible-portion cost (EPC), 99
- Edible-portion quantity (EPQ), 99
- Education for professionals:  
 continuing, 6  
 formal, 5
- Eggs, 21  
 as stabilizer, 62, 63  
 tempering, 394  
 as thickeners, 70, 72
- Egg ganache, 909
- Egg substitutes, 21
- Elderberries, 32
- Embellishing décor, 1012
- Emulsifiers, 72
- Emulsifying shortening, 22
- Emulsions, baking principles for, 72–73
- Endosperm, 14
- Enriched caramel sauces, 473
- Enriched doughs, 111, 116
- Enriched flour, 15
- Entremets, interior layers of, 680
- Enzymes, gelatin and, 71
- EPC (edible-portion cost), 99
- EPQ (edible-portion quantity), 99
- Equipment, 38, 52–59. *See also* Tools  
 baking pans, 52–54  
 cleaning and sanitizing, 85  
 cold-holding, 82  
 ice cream machines, 58  
 managing, 8  
 for mixing, chopping, and puréeing, 55–57  
 ovens, 57  
 parchment paper, 54  
 proofers, 57  
 refrigeration, 58  
 rings and molds, 54  
 silicone mats, 54  
 stovetop pots and pans, 55
- Escoffier, Georges-Auguste, 2
- Evaporated milk, 19
- Executive dining rooms, careers in, 4
- Executive Pastry Chef (CEPC), 6
- Exotic fruits, 37
- Extracts, 26, 557
- Extraction rate (flour), 15
- Eye appeal, in plated desserts, 860–861
- F**
- Facultative bacteria, 79
- Fans, chocolate, 989
- Farmer cheese, 20
- Fats, 21–22  
 functions in baking, 64  
 as liquefiers, 63
- FCF (formula conversion factor), 94
- Fermentation:  
 bulk, 110–111  
 direct, 106  
 final (proofing), 114  
 intermediate, 112–113
- Fermented dairy products, 19–20
- Fiber-enriched doughs, 111
- Filberts, 27
- Filigrees, chocolate, 985
- Fillings:  
 buttercream, 466–468  
 gelatin-based, 672  
 meringues, 464–465  
 for modern wedding cakes, 1033  
 whipped cream, 468
- Final development period (yeast-raised bread dough), 107, 108
- Final fermentation (proofing), 114
- Finishing. *See also* Décor  
 truffles and confections, 913–914  
 yeast-raised breads and rolls, 114–115
- Fire safety, 87
- First-aid supplies, 87
- Flaky rubbed doughs, 222
- Flan rings, 54
- Flavor, in plated desserts, 860–861
- Flavoring(s), 24, 26  
 for buttercream, 468  
 for caramel sauces, 473  
 of ganache for truffles, 909  
 for hard candies, 925  
 for ice cream, 557  
 for soft caramels, 924  
 for yeast-raised breads and rolls, 166
- Flavor profiles, in savory baking, 820
- Flexible silicone baking mats, 54
- Flexible silicone molds, 54
- Flood work, royal icing, 983, 984, 1032
- Flour(s), 14–16  
 buckwheat, 16  
 in direct fermentation, 106  
 millet, 16  
 oat, 16  
 proteins in, 62  
 ratio of yeast to, 109  
 rice, 16  
 rye, 16  
 spelt, 16  
 as stabilizer, 62, 63  
 as thickener, 70  
 treatments of, 15  
 types of, 15  
 wheat, 14–16
- Flowers:  
 blossoms, pulled sugar, 998, 999  
 dogwood, sugar paste, 1010  
 embellishing, 1012  
 hydrangea, 1011, 1012  
 magnolia, gum paste, 1008  
 marzipan cutouts, 991  
 piped buttercream, 980–982  
 ribbon rose, fondant, 1011  
 rose, buttercream, 982, 1012  
 rose, chocolate, 990, 1012  
 rose, fondant, 1011, 1012  
 rose, gum paste, 1004–1007, 1012  
 rose, marzipan, 991–994, 1012  
 for traditional wedding cakes, 1032
- Foaming mixing methods:  
 angel food, 265, 266  
 chiffon, 266  
 cold, 261–262  
 leavening in, 66  
 quick breads and cakes, 261–266  
 separated, 263–264  
 warm, 262–263
- Folding:  
 dough, 110–111, 228–229  
 mousse, 398
- Fondant, 469–470, 1003  
 chocolate, 469  
 coffee-flavored, 469  
 covering cake in, 979–980

- Fondant décor:  
 bow, 1009–1010  
 ribbon rose, 1011, 1012  
 swag, 1008–1009
- Fondant funnel, 50
- Food-borne illness, 78–79  
 and cross-contamination, 80  
 danger zone for, 80–83  
 potentially hazardous foods,  
 79
- Food choppers, 55, 57
- Food contaminants, 78–79
- Food mills, 48
- Food processors, 57
- Food safety, 78–86  
 cleaning and sanitizing, 85  
 food-borne illness, 78–79  
 hand washing, 80  
 Hazard Analysis Critical  
 Control Points, 83–85  
 pest control, 85–86  
 time and temperature  
 control, 80–83
- Food trends, for savory baking,  
 820
- Food writers/critics, 5
- Fork mixers, 57
- Formal education, 5
- Formulas, *see* Baking formulas
- Formula conversion factor  
 (FCF), 94
- Four-fold method (laminated  
 dough), 229
- Freestone peaches, 34
- Freezing units, safety  
 considerations with, 81
- French buttercream, 467–468
- French ice cream, 556
- French knives, 43
- French meringue, 464
- French rolling pins, 49
- Friction factor, 101, 102
- Frozen desserts, 554–614  
 churned-frozen ice cream,  
 556–558  
 gelato, 558  
 granita, 560–561  
 molded, 562–563  
 plated, 862  
 sorbet and sherbet, 559–560  
 still-frozen, 564
- Frozen foods, thawing, 82
- Frozen soufflés (soufflés  
 glacés), 564
- Frozen yogurts, 556
- Fructose, 66
- Fruit(s), 29–37  
 apples, 30  
 berries, 31–32  
 candied, for rochers, 919  
 citrus fruits, 32–33  
 cutting and peeling,  
 624–625  
 dried, plumping and  
 macerating, 261  
 exotic or tropical, 37  
 fresh, working with,  
 624–626  
 in ice creams, 557, 558  
 melons, 33–34  
 pears, 30–31  
 pickling, 832  
 pitting and coring, 626  
 poached, 764, 765  
 preventing oxidation, 626  
 selecting/handling, 29–37  
 in sorbet and sherbet,  
 559–560  
 stone fruits, 34  
 sustainability and  
 seasonality, 29–30  
 yield percentage of, 98
- Fruitcakes, traditional wedding  
 cakes as, 1032
- Fruit caramels, 924
- Fruit compote, 472
- Fruit purées:  
 in Bavarian cream, 399  
 in hot soufflés, 400  
 as sugar substitutes, 74
- Fruit sauces, 472  
 compotes, 472  
 coulis, 472
- Frying, in savory baking, 830,  
 831
- Fungi, 78
- Fuyu persimmons, 37
- G**
- Ganache:  
 butter, 909  
 consistency of, 907  
 cream, 907–909  
 egg, 909  
 flavoring for truffles, 909  
 for hollow-shell truffles,  
 915–916  
 piping, 908, 910
- Garlic, 26
- Garnishes:  
 for cakes, 676  
 functions of, 671  
 in ice cream, 557  
 for yeast-raised breads and  
 rolls,  
 166
- Gastrique, 831
- Gel, 71, 397
- Gelatin, 18, 71, 397  
 in Bavarian cream, 399  
 enzymes and, 71  
 in mousse, 398  
 as thickener, 70
- Gelatin-based fillings, 672
- Gelatinization of starches, 69
- Gelato, 558
- Gelling agents, 18–19, 70
- Germ, wheat, 14
- German buttercream, 467
- Gianduja, 921
- Ginger, 26
- Glazes, 462  
 chocolate fondant, 469  
 coffee-flavored fondant, 469  
 fondant, 469–470  
 hard ganache, 470  
 mirror, 470
- Glazing, 470  
 cakes, 677  
 petits fours, 729
- Glucose syrup, 17, 68
- Gluten, 62  
 high-gluten flour, 15  
 proteins in, 62  
 stages of development, 107  
 vital wheat gluten, 16
- Gluten-free baking, 74–75
- Goat cheese, 20
- Golden syrup, 18
- Gooseberries, 32
- Graduated pitchers/beakers,  
 41, 42
- Grains, 14–16  
 buckwheat, 16  
 gluten in, 74  
 milled, 14  
 millet, 16  
 oat, 16  
 rice, 16  
 rye, 16  
 soakers for, 158  
 spelt, 16  
 wheat, 14–16  
 whole, 14
- Granita (granité), 560–561
- Granulated sugar, 16
- Grapes, 32
- Grapefruits, 32
- Graters, 44
- Green flour, 15
- Greengage plums, 34
- Greweling, Peter, 5
- Grilling, in savory baking, 827
- Groats, 16
- Grocery stores, careers with, 4
- Guavas, 37
- Guilds, 2
- Guitar, 52
- Gum paste, 1003  
 flowers, for traditional  
 wedding cakes, 1032  
 leaves, gum paste-pastillage  
 mixture, 1008  
 magnolia, 1008  
 modeling tools for, 52  
 rose, 1004–1007, 1012
- H**
- HACCP (Hazard Analysis  
 Critical Control  
 Points), 83–85
- Hachiya persimmons, 37
- Hand blenders, 55
- Hand washing, 80
- Hard candies, 925
- Hard ganache, 470, 907
- Hard red spring wheat, 14
- Hard red winter wheat, 14
- Hard white winter wheat, 14
- Hazard Analysis Critical  
 Control Points  
 (HACCP), 83–85
- Hazardous foods, 79
- Hazelnuts, 27
- Health of workers:  
 and cross contamination, 80  
 as safety issue, 86
- Healthy baking, 74–75
- Heat guns, 52
- Heavy cream, 19
- Herbs, 24–25, 821–822
- Higgins, George, 7
- High-gluten flour, 15
- High-ratio shortening, 22
- Holding foods:  
 danger zone in, 81–82  
 at dessert stations, 862
- Hollow chocolate shells,  
 915–916
- Honey, 18
- Honeydew melons, 34
- Hospitals, careers in, 4
- Hotels, careers in, 4
- Hotel pans, 52
- Hot soufflés, 400
- Hot water bath, 395, 904
- Human resources management,  
 9–10
- Hydrangea flowers, 1011, 1012
- Hydrogenated shortenings, 22
- Hygiene:  
 and food safety, 80, 83  
 and kitchen safety, 86
- I**
- Ice cream:  
 churned-frozen, 556–558  
 custard (French), 556  
 variegating, 558
- Ice cream machines, 58
- Icing(s), 462  
 buttercream, 466–468  
 French buttercream,  
 467–468  
 German buttercream, 467  
 Italian buttercream, 466  
 for modern wedding cakes,  
 1032  
 rolled, enrobing cake in, 678  
 royal, working with,  
 983–985  
 Swiss meringue buttercream,  
 466–467  
 for traditional wedding  
 cakes, 1032  
 whipped cream, 468
- Icing cakes, 674–676
- Icing sugar, 17
- Illness, food-borne, 78–79
- Image, of profession, 11
- Immersion blenders, 55
- Indirect fermentation (pre-  
 fermentations), 154–157  
 autolyse, 157  
 sourdough starters, 156–157
- Individual pastries, 762–817  
 containers for, 766  
 Hazard Analysis Critical  
 Control Points  
 roulades, 766  
 molded, 766  
 phyllo dough, 767  
 piped, 767  
 tartlets, 764–765

- Infection (contamination), 78  
 Information management, 8, 9  
 Ingredients, 12–37, 62–64  
   basic, 62  
   chocolate, 22–23  
   coffee and tea, 27  
   dairy products, 19–21  
   eggs, 21  
   extracts, 26  
   flours, grains, and meals, 14–16  
   fresh produce selection/handling, 29–37  
   fruits, 29–37  
   herbs, spices, and flavorings, 24–26  
   leaveners, 23–24  
   liquefiers, 63–64  
   nuts, 27–28  
   oils, shortenings, and fats, 21–22  
   percentage value calculations for, 100  
   salt, 24  
   seeds, 28–29  
   stabilizers, 62–63  
   sugars, syrups, and sweeteners, 16–18  
   thickeners, 18–19  
   weight of, when weight of flour is known, 100  
   wines, cordials, and liqueurs, 26  
 Initial development period (yeast-raised bread dough), 106–108  
 Inspections:  
   for kitchen safety, 88–89  
   OSHA, 88  
 Instant dry yeast, 23  
 Instant oats, 16  
 Instant-read thermometers, 42  
 Intermediate fermentation, 112–113  
 Internet, 9  
 Intoxication (contamination), 78  
 Inverse puff pastry, 229  
 Inverted syrup, 18  
 Invert sugar, 68  
 Irish oats, 16  
 Isomalt, 17  
 Italian buttercream, 466  
 Italian meringue, 465  
 Italian plums, 34
- J**  
 Jam, on traditional wedding cakes, 1032  
 Judgment, professional, 11
- K**  
 Kasha, 16  
 Key limes, 33  
 Kitchen safety, 86–89  
   clothing considerations, 87–88  
   drug and alcohol use, 89  
   fire safety, 87  
   first-aid supplies, 87  
   health and hygiene, 86  
   regulations, inspection, and certification, 88–89  
   safe working practices, 86–87  
 Kiwis, 37, 625  
 Knives, 42–44  
 Knot rolls, 124–125  
 Kosher salt, 23  
 Kumquats, 32
- L**  
 Ladles, 46  
 Lame, 48  
 Laminated doughs, 226–230  
   croissant and Danish doughs, 732  
   puff pastry, 229–230  
   storage of, 230  
 Lamination, leavening in, 66  
 Lard, 22, 64  
 Lattice tops (pies and tarts), 622  
 Layer cakes:  
   assembling, 674  
   glazing, 677  
 Layered pastries, individual, 766  
 Leaves:  
   chocolate, 990–991  
   molded gum paste-pastillage, 1008  
   piped buttercream, 980  
   pulled sugar, 999–1000  
 Lean doughs, baking, 116  
 Leaveners, 23–24, 64–66  
 Legal responsibilities of professionals, 10  
 Lemons, 32  
 Lemon reamers, 44  
 Light treacle syrup, 18  
 Limes, 33  
 Link twist, pastillage, 1003  
 Liquefiers, 63–64  
 Liqueurs, 26  
 Liquids, 63  
   poaching, 764  
   for steaming, 826  
 Loaf pans, 48  
 Lock-in (pastry doughs and batters), 228–229  
 Lychees, 37
- M**  
 Macadamia nuts, 28  
 Mace, 26  
 Macerating dried fruits, 261  
 Madeleine molds, 54  
 Magnolia, gum paste, 1008  
 Maillard reaction, 68  
 Malt syrup, 17  
 Management skills, 7–11  
 Mandarin oranges, 33  
 Mangos, 37, 625  
 Maple syrup, 18  
 Marbled chocolate cigarettes, 989  
 Marbled chocolate plaques, 987  
 Margarine, 22  
 Marzipan, 991–994  
   flower cutouts, 991  
   French method for, 991  
   modeling tools for, 52  
   for modern wedding cakes, 1032  
   plaques, 994  
   roses, 991–994, 1012  
   on traditional wedding cakes, 1032  
 Marzipan rolling pins, 49  
 Masi, Noble, 9  
 Material costs, 8  
 Meals, 14, 16  
 Mealy rubbed doughs, 222  
 Measurement:  
   converting between U.S. and metric systems, 97, 1084–1085  
   converting to common units, 94–95  
   scaling, 92–93  
   volume vs. weight, 95–97  
 Measuring cups and spoons, 41, 42  
 Measuring tools, 40–42  
 Meats, as potentially hazardous food, 79  
 Mechanical leavening, 66  
 Medium ganache, 907  
 Mélangeur, 991  
 Melons, 33–34, 625  
 Melon balls, 625  
 Melon ballers, 46  
 Melting chocolate, 904  
 Mendiante, 920  
 Meringues, 464–465  
   common (French), 464  
   Italian, 465  
   in Italian buttercream, 466  
   for piped pastries, 767  
   stages of, 465  
   Swiss, 465  
   Swiss meringue buttercream, 466–467  
 Mesophilic bacteria, 79  
 Metal spatulas, 46  
 Metric system, converting between U.S. system and, 97, 1084–1085  
 Meyer lemons, 32  
 Microwave ovens, 57, 904  
 Migoya, Francisco, 9  
 Milk, 19, 63  
 Milk chocolate, 22, 905.  
   *See also* Tempered chocolate  
 Milled grains, 14  
 Millet, 16  
 Milling, 15  
 Mincing (vegetables and fresh herbs), 821  
 Mint, 25  
 Mirror glazes, 470  
 Mise en place, dessert station, 862  
 Mixers, 57  
 Mixing dough, stages of, 106–109  
 Mixing equipment, 55–57  
 Model Food Code (FDA), 80, 84  
 Modeling chocolate, 990–991  
   covering cakes in, 979  
   leaves, 990–991  
   rose, 990, 1012  
 Modern wedding cakes, 1032–1033  
 Modified starches, 19  
 Modular ejection molds, 54  
 Molasses, 17  
 Molds, 50, 54  
 Molded cookies, 335  
 Molded frozen desserts, 562–563  
 Molded individual pastries, 766  
 Molding chocolates, 916–918  
 Monosaccharides, 66  
 Mousse, 398–399  
   parfaits, 564  
   savory, 833  
 Mozzarella cheese, 20  
 Muffins, 735  
 Muskmelons, 34
- N**  
 Nectarines, 34  
 Networking, professional, 6  
 Neufchâtel cheese, 20  
 Nonfat dry milk (milk powder), 19  
 Nougatine, for modern wedding cakes, 1032  
 Nuts, 27–28  
   for gianduja, 921  
   for rochers, 919  
 Nutmeg, 26  
 Nut oils, 21
- O**  
 Oats, 16  
 Oat flour, 16  
 Oblique mixers, 57  
 Occupational Safety and Health Administration (OSHA), 88–89  
 Oils, 21–22, 64  
 Oil sprays, 22  
 Old-fashioned oats, 16  
 Oligosaccharides, 66–67  
 Olive oils, 21  
 Omelet pans, 55  
 On-site refrigeration units, 58  
 Oranges, 32, 33  
 Oregano, 25  
 OSHA (Occupational Safety and Health Administration), 88–89  
 Ovens, 57  
 Overpiping royal icing, 984–985  
 Overrun:  
   for gelato, 558

for ice cream, 557  
Oxidizing agents, in flour, 15

## P

Paddles, 46  
Pain tricorné, 116  
Pans, *see* Pots and pans  
Pan frying, in savory baking, 830  
Papayas, 37  
Parasites, 78–79  
Parchment paper, 50, 54  
Parchment piping cone, 978  
Parfaits, 564  
Paring knives, 44  
Parisian scoops, 46  
Parmesan cheese (Parmigiano-Reggiano), 20  
Parsley, 25  
Partial coagulation, 72  
Passion fruits, 37  
Pastes:  
  décor, *see* Décor pastes  
  as ice cream flavoring, 557  
  sugar, *see* Sugar pastes  
Pastillage, 1003  
  bow, 1010  
  leaves, gum paste-pastillage mixture, 1008  
  link twist, 1003  
  for modern wedding cakes, 1032  
  plaques, 994  
  for traditional wedding cakes, 1032  
Pastry bags, 50, 978  
Pastry brushes, 49  
Pastry chefs, 2, 4, 6. *See also*  
  Baking and pastry profession  
Pastry cream:  
  in German buttercream, 467  
  in hot soufflés, 400  
Pastry doughs and batters, 220–251  
  blitz puff pastry, 229–230  
  crumb crusts, 224  
  inverse puff pastry, 229  
  laminated dough, 226–228, 230  
  lock-in and folding, 228–229  
  pâte à choux (precooked batter), 225  
  rubbed doughs, 222–224  
  short dough, 224  
  storage of laminated dough, 230  
  strudel dough, 226  
Pastry flour, 15  
Pastry tools, 49  
Pastry wheels, 49  
Pâte à choux (precooked batter), 225, 767  
Pâte fermentée, 154  
Patent flour, 15  
Peaches, 34  
Peanuts, 28

Peanut brittle, 925  
Peanut oils, 21  
Pears, 30–31  
Pearl sugar, 16  
Pecans, 28  
Pectin, 18, 70, 71  
Peels, 48  
Peelers, 44  
Peeling fruit, 625  
Peppercorns, 26  
Percentage value of ingredients, calculating, 100  
Permanent emulsions, 72  
Persian melons, 34  
Persimmons, 37  
Pest control, 85–86  
Petits fours, glazed, 729  
pH, 66, 79  
Phyllo dough, 226, 767  
Physical asset management, 8  
Pickling vegetables, 831–832  
Pickup period (yeast-raised bread dough), 106, 108  
Pies:  
  blind baking shells, 623  
  rolling out dough and lining pan, 618–620  
  topping, 620–622  
Pie pans, 54  
Pineapple, peeling and cutting, 625  
Piped cookies, 336  
Piped pastries, 767  
Piping:  
  buttercream flowers and borders, 980–982  
  éclairs, 767  
  ganache, 910  
  royal icing, 983–985  
  tempered chocolate filigrees and writing, 985  
  truffles, 908, 910  
Piping cone, parchment, 978  
Piping tips, 50, 978  
Pistachio nuts, 28  
Pitchers, graduated, 41, 42  
Pitting fruit, 626  
Pizzas, 833  
Planetary mixers, 57  
Plaques:  
  marbleized chocolate, 987  
  marzipan, 994  
  pastillage, 994  
Plastic bowl scrapers, 46  
Plated desserts, 858–901  
  at banquets, 862  
  contrast in, 860–861  
  for dessert station mise en place, 862  
  frozen desserts, 862  
  for restaurants, 861  
  trends in, 860  
Plums, 34  
Plumping dried fruits, 261  
Plum pudding, 397  
Poached fruits, 764, 765  
Poaching liquid, 764  
Polysaccharides, 69  
Pomegranates, 37

Poolish, 154, 155  
Poppy seeds, 29  
Portable refrigeration, 58  
Pots and pans:  
  baking pans, 52–54  
  cleaning and sanitizing, 85  
  copper confectionery pots, 50  
  for frying, 830  
  loaf pans, 48  
  for roasting, 828  
  for sautéing, 825  
  for steaming, 826, 827  
  stovetop, 55  
Potato starch, 19, 70  
Potentially hazardous foods, 79  
Poultry, as potentially hazardous food, 79  
Powdered sugar, 17  
Precooked batter (pâte à choux), 225, 767  
Preliminary development period (yeast-raised bread dough), 106  
Probe thermometers, 42  
Produce, 29–37  
  apples, 30  
  berries, 31–32  
  citrus fruits, 32–33  
  exotic or tropical fruits, 37  
  melons, 33–34  
  pears, 30–31  
  for savory baking, 820  
  seasonality, 29–30, 820  
  stone fruits, 34  
  sustainability, 29–30  
Proofers, 57  
Proofer/retarders, 57  
Proofing, 106, 114  
Proteins:  
  in eggs, 72  
  in flour, 62  
  in gelatin, 71, 397  
Prunes, 34  
Prune plums, 34  
Psychrophilic bacteria, 79  
Puddings:  
  boiled, 396  
  plum, 397  
  steamed, 397  
Puff pastry, 226  
  blitz, 229–230  
  inverse, 229  
  working with, 624  
Puff pastry cases (vol-au-vents, bouchées), 766  
Pulled sugar, 998–1002  
  blossoms, 998, 999  
  leaves, 999–1000  
  ribbon, 1000–1002  
Pumpkin seeds, 29  
Pumpkin seeds, 29  
Puréeing equipment, 55–57  
Puréeing tools, 47–48

## Q

Quiche, 833  
Quick breads and cakes,

252–327  
  basic principles of, 254  
  blending mixing method, 255  
  combination mixing method, 266–269  
  cooling, 254–255  
  creaming mixing method, 256–259  
  dried fruit plumping and macerating, 261  
  foaming methods, 261–266  
  pan preparation, 254  
  two-stage mixing method, 260

## R

Raisins, 32  
Rapeseed oil, 21  
Rapid rise yeast, 23  
Rasps, 44  
Raspberries, 32  
Raspberry parfait, 565  
RBA (Retail Bakers of America), 6  
Reach-in refrigerators, 58  
Ready-to-serve foods, holding, 81–82  
Reamers, 44  
Receiving, danger zone in, 81  
Record keeping, HACCP, 84–85  
Reduction(s):  
  gastrique, 831  
  sauces, 475  
Refrigeration, 58  
Refrigerator safety considerations, 81  
Regulations, for kitchen safety, 88–89  
Reheating foods, danger zone in, 82  
Research and development kitchens, 4  
Responsibility, professional, 11  
Restaurants:  
  careers in, 4  
  plated desserts for, 861  
Resting, 112–113  
Retail Bakers of America (RBA), 6  
Retarding dough, 110  
Retrogradation, 70  
Ribbon, pulled sugar, 1000–1002  
Ribbon rose, fondant, 1011, 1012  
Rice, 16  
Rice flour, 16  
Ricotta cheese, 20  
Rings, 54  
Roasting, in savory baking, 827–828, 830  
Rochers, 919  
Rock salt, 23  
Rod-and-bearing rolling pins, 49  
Rolls, yeast-raised, *see* Yeast-raised breads and rolls

- Rolled and cut-out cookies, 332–333
- Rolled icing, enrobing cake in, 678
- Rolled oats, 16
- Rolling pins, 49
- Rose(s):  
 buttercream, 982, 1012  
 buttercream, for traditional American wedding cakes, 1032  
 chocolate, 990, 1012  
 embellishing, 1012  
 fondant, 1011, 1012  
 gum paste, 1004–1007, 1012  
 marzipan, 991–994, 1012
- Rosemary, 25
- Rotisserie cooking, 828
- Roulades, 766
- Royal icing, on traditional wedding cakes, 1032
- Royal icing décor, 983–985  
 flood work and run-outs, 984  
 overpiping, 984–985  
 string work, 984
- Rubbed doughs, 222–224
- Rubber spatulas, 46
- Ruffles, chocolate, 990
- Run-outs, royal icing, 983, 984
- Rye flour, 16
- Rye meal, 16
- S**
- Sabayon, 471
- Safety, 76–89  
 food, 78–86  
 kitchen, 86–89
- Sales careers, 5
- Salmonellosis, 78
- Salt, 24  
 in bread baking, 65  
 hygroscopic properties of, 68
- Sanding sugar, 16
- Sandwiches, 833
- Sanitizing:  
 dessert stations, 862  
 for food safety, 85  
 of uniforms, 88
- Santa Rosa plums, 34
- Saturated sugar solutions, 68
- Sauce(s), 462  
 caramel, 473–474  
 chocolate, 472  
 chocolate sabayon, 471  
 choosing, 471  
 compotes, fruit, 472  
 coulis, 472  
 dark chocolate, 472  
 at dessert stations, 862  
 reduction, 475  
 sabayon, 471  
 vanilla, 470
- Saucepots, 55
- Sautéing, in savory baking, 824–825
- Sauté pans, 55
- Savory baking, 818–857  
 cooking methods, 824–831  
 cutting vegetables and fresh herbs, 821–824  
 flavor profiles, 820  
 food trends, 820  
 importance of, 820  
 and pastry products, 833  
 pickling vegetables, 831–832
- Savory custards, 394
- Savory granita, 560
- Scales, 40–41
- Scaling (measurement), 92–93
- Scaling (yeast-raised breads and rolls), 111–112
- Scaling formulas, 90, 94–95
- Scaling tools, 40–42
- Scheduling:  
 activities, 11  
 wedding/specialty cake production, 1034
- Schools, careers in, 4
- Schorner, Dieter, 10
- Scoops, 46
- Scoring yeast-raised bread and rolls, 114–115
- Scotch/Scottish oats, 16
- Scrapers, 46
- Seafood, as potentially hazardous food, 79
- Seal coat (cakes), 674–675
- Searing, 824, 825
- Sea salt, 23
- Seasonality:  
 of produce, 29–30  
 and savory baking, 820
- Seckel pears, 31
- Secondary fermentation, 112
- Seeds, 28–29
- Seed (in crystallization), 67
- Seed method, for tempering chocolate, 905
- Semi freddo, 564
- Semisweet chocolate, 22
- Semolina, 15
- Separated foam mixing method, 263–264
- Service, commitment to, 11
- Servings:  
 converting for different number of, 95  
 converting for different size of, 95
- Serving foods, danger zone in, 83
- Sesame seeds, 29
- Shavings, chocolate, 989
- Sheet pans, 52
- Shells:  
 hollow chocolate, 915–916  
 pies and tarts, 623  
 tartlets, 764
- Shell border, piped buttercream, 980–981
- Sherbet, 559–560
- Short dough, 224
- Shortenings, 21, 22, 64
- Shortening agents, 64
- Sieves, 47, 48
- Sifting tools, 47–48
- Silicone mats, 54
- Silicone molds, 766
- Single-acting baking powder, 65
- Single-fold method (laminated dough), 228
- Skimmers, 46
- Slicers, 44
- Smoke-roasting, 828
- Smoking, 89
- Soakers, 158
- Soft caramels, 924
- Soft ganache, 907
- Soft red winter wheat, 14
- Soft white winter wheat, 14
- Sorbet, 559–560
- Soufflés:  
 frozen, 564  
 hot, 400
- Soufflés glacées, 564
- Sour cream, 19–20
- Sourdough, 154
- Sourdough starters, 156–157
- South African wedding cakes, 1032
- Soybean oil, 21
- Spatulas, 46
- Specialty cakes, 1033. *See also*  
 Wedding cakes  
 multitiered, assembling, 1034  
 scheduling production of, 1034  
 tiered, support for, 1033–1034  
 transporting, 1035
- Spelt, 16
- Spices, 24–26
- Spiders, 46
- Spiral mixers, 57
- Spit-roasting, 828
- Sponge cake, pan preparation for, 254
- Sponge method, 154, 155
- Spoons, 45–46
- Spoons, measuring, 41
- Spray gun, 52
- Springerle plaques, 49
- Springerle rolling pins, 49
- Springform pans, 53–54
- Spring scales, 41
- Spring wheat, 15
- Stabilizers, 62–63  
 gelatin, 397  
 in gluten-free baking, 75  
 for mousse, 398
- Standardized formulas, 93
- Starches:  
 gelatinization of, 69  
 retrogradation, 70  
 sugar molecules in, 66  
 as thickeners, 19
- Star fruits, 37
- Steamed puddings, 397
- Steaming, in savory baking, 826–827
- Steam-injection ovens, 57
- Steel-cut oats, 16
- Stem-type thermometers, 42
- Stencils:  
 chocolate, 985–986  
 making, 910
- Stenciled cookies, 333–334
- Stick blenders, 55
- Still-frozen desserts, 564
- Stir-frying, 824
- Stirred custards, 396, 470
- Stone fruits, 34
- Storage:  
 danger zone in, 81  
 of fondant-covered cakes, 980  
 of laminated dough, 230  
 to prevent cross contamination, 80  
 of royal icing, 983
- Stovetop pots and pans, 55
- Straight mixing method (yeast-raised breads and rolls), 106
- Straight rolling pins, 49
- Straining tools, 47–48
- Strawberries, 32
- Straw sugar, 996–998
- String work:  
 royal icing, 984  
 for traditional wedding cakes, 1032
- Striped chocolate:  
 cigarettes, 988–989  
 triangles, 987
- Strudel, assembling, 627
- Strudel dough, 226
- Sucrose, 66, 67
- Sugar(s), 16–17  
 and browning reactions, 68  
 cooking to different stages, 922–923  
 crystallization of, 67  
 and fermentation, 65  
 functions in baking, 67  
 hygroscopic properties of, 68  
 invert, 68  
 as liquefier, 63, 64  
 saturated and supersaturated solutions, 68  
 substituting fruit purées for, 74
- Sugar décor:  
 sugar pastes, 1003–1011  
 sugar work, 995–1002
- Sugar lamps, 52
- Sugar pastes, 1003–1011  
 dogwood flowers, 1010  
 fondant bow, 1009–1010  
 fondant ribbon rose, 1011, 1012  
 fondant swag, 1008–1009  
 gum paste magnolia, 1008  
 gum paste rose, 1004–1007, 1012  
 hydrangea flowers, 1011, 1012  
 molding leaves, gum paste-pastillage, 1008

- pastillage link twist, 1003  
 Sugar thermometers, 42  
 Sugar work, 995–1002  
     blown sugar apples, 995–996  
     pulled sugar, 998–1002  
     straw sugar, 996–998  
 Summer coating, 23  
 Sunflower seeds, 29  
 Superfine sugar, 16  
 Supersaturated sugar solutions, 68  
 Supplies, managing, 8  
 Support, for tiered cakes, 1033–1034  
 Sustainability, 29–30  
 Swag, fondant, 1008–1009  
 Sweating, in savory baking, 825  
 Sweet chocolate, 23  
 Sweetened condensed milk, 19  
 Sweeteners, 16–18, 66–68. *See also* Sugar  
 Swiss meringue, 465  
 Swiss meringue buttercream, 466–467  
 Swivel-bladed peelers, 44  
 Syrups, 17–18, 34
- T**
- Table rest, 112  
 Table salt, 23  
 Tableware, cleaning and sanitizing, 85  
 Tabling method (tempering chocolate), 906–907  
 Tahini, 29  
 Tangerines, 33  
 Tapered rolling pins, 49  
 Tapioca, 19, 70  
 Tarts:  
     blind baking shells, 623  
     rolling out dough and lining pan, 618–620  
     savory, 833  
     topping, 620–622  
 Tartlets, 764–765  
 Tartlet pans, 54  
 Tart pans, 54  
 Taste:  
     for modern wedding cakes, 1033  
     in plated desserts, 860–861  
 Tea, 27  
 Teaching careers, 5  
 Teamwork, 9–10  
 Temperature:  
     for plated desserts, 860–861  
     for sugar cooking stages, 923  
     for tempered chocolate, 905  
     in working with couverture, 904  
 Tempered chocolate, 74  
     bands, 989  
     capping truffle shells with, 915, 916  
     cigarettes, 987–988  
     coating truffles in, 910–911  
     fans, 989  
     filigrees and writing, 985  
     marbleized plaques, 987  
     mini cigarettes, 988  
     for molding chocolates, 916–918  
     ruffles, 990  
     setting of, 907  
     shavings, 989  
     stencils and cutouts, 985–986  
     striped cigarettes, 988–989  
     striped triangles, 987  
     testing, 907  
     thinning, 907  
     triangles, spread-and-cut method, 986–987  
     working temperatures for, 905  
 Tempering chocolate, 74, 904–907  
     block method, 905  
     seed method, 905  
     tabling method, 906–907  
 Tempering eggs, 394  
 Temporary emulsions, 72  
 Texture, in plated desserts, 860–861  
 Thawing frozen foods, danger zone in, 82  
 Thermometers, 42  
 Thermophilic bacteria, 79  
 Thickeners, 18–19  
     baking principles for, 69–72  
     gelling agents, 18–19  
     starches, 19  
 Three-fold method (laminated dough), 228, 229  
 Tiered cakes, *see* Specialty cakes; Wedding cakes  
 Time management, 10, 11  
 Tofu, as potentially hazardous food, 79  
 Tomato concassé, 829  
 Tongs, 46  
 Tools, 38–52, 59. *See also* Equipment  
     for bread baking, 48  
     cleaning and sanitizing, 85  
     cutting, 42–44  
     for décor, 50–52, 978  
     graters, zesters, and rasps, 44  
     for pastries and cookies, 49  
     peelers, reamers, corers, 44  
     purchasing, replacing, and maintaining, 11  
     scaling and measuring, 40–42  
     scoops and ladles, 46  
     for sifting, straining, and puréeing, 47–48  
     spatulas and scrapers, 46  
     spoons and tongs, 45–46  
     whips, 46  
 Toppings:  
     meringues, 464–465  
     whipped cream, 468  
 Tortes:  
     assembling and finishing, 668–680  
     garnishing, 671  
     gelatin-based fillings, 672  
 Total temperature factor (TTF), 101, 109  
 Traditional layer cakes:  
     assembling, 674  
     glazing, 677  
 Traditional wedding cakes, 1032  
 Training staff, 11  
 Transfer sheets, 52  
 Transporting wedding and specialty cakes, 1035  
 Trends:  
     in plated desserts, 860  
     predicting, 9  
     and savory baking, 820  
 Triangles, chocolate:  
     spread-and-cut method, 986–987  
     striped, 987  
 Tropical fruits, 37  
 Truffles:  
     coating in tempered chocolate, 910–911  
     cream ganache for, 907  
     dipping, 912–913  
     finishing, 913–914  
     flavoring ganache for, 909  
     hollow-shell, 915–916  
     piping, 908, 910  
 TTF (total temperature factor), 101, 109  
 Tube pans, 54  
 Turbinado sugar, 17  
 Turnovers, 768  
 Turntables, 674  
 Twice-baked cookies, 335  
 Two-phase system, 72  
 Two-stage mixing method (quick breads and cakes), 260
- U**
- Units of measurement:  
     converting between U.S. and metric systems, 97, 1084–1085  
     converting to common units, 94–95  
 Unsweetened chocolate, 22  
 U.S. system, converting between metric system and, 97, 1084–1085  
 Utility knives, 44
- V**
- Vanilla beans, 26  
 Vanilla sauce (crème anglaise), 399, 470  
 Variegated ice creams, 558  
 VCMs (vertical chopping machines), 55  
 Vegans, baking for, 75  
 Vegetables:  
     cutting, 821–824  
     pickling, 831–832  
     yield percentage of, 98  
 Vegetable oils, 21  
 Verification system, in HACCP plan, 85  
 Vertical chopping machines (VCMs), 55  
 Vertical mixers, 57  
 Viennoiseries, 730  
 Viruses, 78  
 Vital wheat gluten, 16  
 Vol-au-vents, 766  
 Volume, 92, 95–97  
 Volume foodservice, using measures for, 96  
 Volume measures, 41–42, 95–97
- W**
- Walk-in refrigerators, 58  
 Walnuts, 28  
 Ware-washing machines, 85  
 Warm foaming method, 262–263  
 Washes:  
     for pies and tarts, 620, 621  
     yeast-raised bread and rolls, 114, 115  
 Water, 63  
 Watermelons, 34  
 Water temperature, calculated from DDT, 101–102  
 Wedding cakes, 1030–1063  
     costing, 1035  
     modern, 1032–1033  
     scheduling production of, 1034  
     tiered, support for, 1033–1034  
     traditional, 1032  
     transporting, 1035  
 Weight, 92–93  
     converting volume measures and, 95–97  
     of ingredients, when weight of flour is known, 100  
 Wet method (sugar cooking), 922–923  
 Wheat, 14–16  
 Whips, 46  
 Whipped cream, 468  
 Whipping cream, 19  
 Whisks, 46  
 White chocolate, 23, 905. *See also* Tempered chocolate  
 Whole grains, 14  
 Wholesale bakeshops, 4  
 Whole wheat flour, 15  
 Williams pears, 30  
 Wines, 26  
 Winter melons, 34  
 Winter wheat, 14–15  
 Wire cooling racks, 50  
 Work environment, orderliness of, 11

Working practices, safe, 86–87  
Writing, chocolate, 985

## Y

Yeast(s), 23, 64, 65  
    in direct fermentation, 106  
    substituting, 109  
Yeast-raised breads and rolls,  
    104–218

baking, 115–116  
bulk fermentation, 110–111  
desired dough temperature,  
    109–110  
direct fermentation, 106  
enriched doughs, 116  
fiber-enriched doughs, 111  
final fermentation  
    (proofing), 114  
final shaping, 113–114

finishing techniques,  
    114–115  
flavorings and garnishes  
    for, 166  
indirect fermentation (pre-  
    ferments), 154–157  
resting or intermediate  
    fermentation, 112–113  
scaling and preshaping,  
    111–112

soakers, 158  
stages of mixing dough,  
    106–109  
Yield percentage, of fresh fruits  
    and vegetables, 98  
Yogurt, 19–20, 556

## Z

Zesters, 44