

Index

- abdominal fat, 87, 313
- abdominal pain, 99
- Abilify, 24
- acetaminophen (paracetamol), 177
- acetate, 316
- acupuncture
 - beneficial health effects of, 94
 - as tool, 354
- acute ear infections, 19
- adiponectin, 267
- adrenal fatigue, 218
- adrenal glands
 - and high blood pressure, 113
 - and osteoporosis, 58
 - and sleeping patterns, 211, 216–218, 268
 - and sugar cravings, 209–212, 217–218, 268
 - and weight loss, 209–212
- adrenaline
 - sleep loss due to, 217
 - and weight, 206
- adrenal insufficiency
 - stress and, 218–219
 - and thyroid gland, 138
- adverse drug reactions, 12
- aerobic exercise. *see also* exercise
 - moderate-intensity, 260
- affirmations, 93, 372
- afterburn effect, 261–262
- aggressive behavior, 276
- aging
 - excess cortisol and, 220
 - kidney function and, 13
 - muscle loss in, 82
 - prescription drugs and, 13
 - stomach acid problems and, 40, 45, 183, 320
- alcohol
 - damaging effects on blood-brain barrier, 114
 - damaging effects on liver, 286
 - effects on blood pressure, 114
- alcoholism, 165, 171
- allergies. *see also* food allergies
 - antibiotic overuse and, 20
 - in children, 33
 - digestion and, 157
 - thoracic vertebrae deformities and, 98
- Alzheimer's disease
 - bitter roots and herbs for, 47
 - causes of, 47
 - chronic inflammation and, 223
 - diabetes and, 203
 - homocysteine levels and, 45
 - overweight and, 201
 - stomach health and, 44
 - zinc levels and, 168, 171
- American Board of Internal Medicine Foundation, 34
- American Heart Association, 105, 107
- American Herbalist Guild, 192
- amino acids, 59, 114–115, 124, 268, 297, 319
- Amy Cuddy: 30 Seconds on Power Poses*, 222
- amylase, 245
- analgesics
 - and blood pressure, 114
 - over-the-counter pain relievers, 114
 - prescription drugs, 23–24, 177
- ancient cultures, 126, 373
- ancient Greece, 347
- ancient India, 93, 350–351
- ancient Rome, 347, 360–361
- ancient Tibetan medicine, 175
- anemia
 - and brain fatigue, 55, 301
 - and digestive issues, 41
 - and gluten sensitivity, 65
 - and gut health, 48, 165
 - hidden connections, 183–184
 - iron-deficiency, 41, 183
- aneurysms, 119
- antacids
 - long-term use of, 41, 168
 - overuse of, 39
 - secondary effects of, 40–42, 168
- antibiotics, 19–24
 - for bronchitis, 19
 - and diabetes, 20
 - and obesity, 21–22
 - overuse of, 20
 - post-antibiotic era, 20
- antidepressants, 63–64
- antioxidants, 236
- antipsychotics, 24
- antisocial behavior, 276
- anxiety
 - and blood pressure, 114
 - and childhood trauma, 174
 - eating in response to. *see* emotional eating
 - ing
 - natural aids for, 64
 - in PCOS, 54
 - prescription drugs for, 103
 - and thyroid hormones, 145

- appetite, 285–287
 - cortisol and, 220, 264
 - insulin and, 285
 - regulation of, 207
- apples, green, 279, 281
- arginine, 114, 123–124
- art, 95–99
- arterial stiffness, 115
- arthritis, 53, 164, 283
 - bitter roots and herbs for, 47
 - rheumatoid, 58
- artichokes, 165
- artificial sweeteners, 210
- artificial vitamins, 234
- asthma
 - C-sections and, 33
 - magnesium deficiencies and, 116
 - pesticides and, 238
- attention deficit disorders
 - natural aids for, 64
 - pesticides and, 238
- attitude, 240, 284
- audiovisual brainwave synchronization, 64, 70, 297
- autoimmune disorders
 - adrenal insufficiency, 218
 - associated with hypothyroidism, 146
 - diabetes, 167
 - inflammation and, 158, 223
 - stomach health and, 48, 158
- avocados
 - for emotional eating, 296–297
 - health benefits of, 153
- axoplasmic transport, 81–82
- ayurvedic medicine, 350–351
- backache
 - heartburn and, 99
 - low back pain, 25–26, 174, 184
 - a patient's frustration, 5
 - upper abdominal pain and, 99
- back surgery, 25, 174
- bacteria
 - beneficial effects of, 52, 69–70
 - drug resistance to, 20, 22, 47
 - dysbiosis, 164
 - in fermented foods, 16, 52, 69–70, 123–124
 - gut bacteria, 52–53, 65, 68, 164–165, 167–169
 - and gut inflammation, 64
 - small intestinal bacterial overgrowth (SIBO), 165–166, 170–171
 - and stomach health, 48
- baking soda, 110
- baldness, premature, 54
- beets, 114, 123–124
- behavior therapy
 - for children, 276
 - free online approaches, 185
 - for pain, 176–177
 - for weight loss, 289
- belly fat, 87, 313
- bentonite clay, 42–43
- beta-defensin genes, 67
- betaine hydrochloric acid, 43, 323–324
- betaine hydrochloride, 46
- biodiversity, 235, 337
- biopsychosocial medicine, 125–126
- birth defects, 238
- Biteback, 185
- bitter roots and herbs, 47
- bleeding, intestinal, 183
- bloating
 - after eating, 5
 - and gluten sensitivity, 65
 - and small intestinal bacterial overgrowth (SIBO), 165, 170
- blood-brain barrier, 157–158, 160
- blood iron levels, 183
- blood pressure, 52, 101–107, 109–124. *see also* high blood pressure
- blood pressure journals, 105, 107
- blood pressure monitoring, 105, 107
- blood sugar levels
 - low blood sugar (hypoglycemia), 208–210, 223–224, 226–227, 229
 - muscle mass and, 250
 - and obesity, 225–226
 - responses to meals, 314, 369
 - and sleep, 217
 - and weight loss, 259
- blood tests, 84, 117–119, 136, 139
- blurred vision, 207
- BMI (body mass index), 85, 201
- body connections, 142–147, 169–170, 173–174
- body mass index (BMI), 85, 201
- body-mind connections, 51–70, 125–131
 - big-picture approach, 174–175
 - and high blood pressure, 115
 - and weight loss, 249, 312
- body systems, 81–83
 - interconnections, 328–329
 - as village, 133–139
- body temperature, 134, 144, 149, 256
- body types, 243
- body weight, 85–86, 87. *see also* weight gain; weight loss
- body-weight set points, 245–249
- bodywork, 354
- bone fractures, 58, 142
- bone health
 - calcium for, 46
 - hormones that affect, 58
 - lactoferrin for, 61–62
 - vitamin K2 for, 53
- brain atrophy, 44–46
- brain degeneration, 55
- brain-derived neurotrophic factor, 358
- brain fatigue, 55, 301
- brain health, 133–134
 - Alzheimer's disease, 44–45, 168, 171

- digestive issues and, 55–56, 168
 - food choices and, 294–298
 - pain and, 176
 - stomach health and, 48
 - thyroid and, 134–138
 - zinc levels and, 171
 - brain inflammation
 - consequences of, 163–164
 - digestive issues and, 55
 - intestinal inflammation and, 157–158, 160
 - bread, 65, 70, 128, 156, 317
 - breakfast, 153, 223–224, 320
 - breast cancer
 - estrogen and, 215–216
 - fat and, 274
 - overweight or obesity and, 215–216
 - treatment of, 61
 - breastfeeding, 33
 - breathing exercises
 - for deep healing, 359
 - for high blood pressure, 107, 121, 362
 - for stress, 107, 362
 - for weight loss, 251
 - bronchitis, 19
 - Brussels sprouts, 165
 - burping
 - digestive aids for, 43, 46
 - stomach acid issues and, 40
 - butyrate, 317
 - bypass surgery, 25
 - caffeine, 112, 222
 - calcium
 - for bone health, 46
 - for digestion, 46–47
 - for heart health, 121
 - for high blood pressure, 114, 123–124
 - for osteoporosis, 59
 - calcium supplements, 116–117, 183
 - caloric intake, 318
 - calorie counting, 297, 318
 - calories
 - burning, 256–259, 268
 - food contents, 311
 - isocaloric foods, 310
 - cancer
 - breast cancer, 61, 215–216, 274
 - colon cancer, 52, 61, 215, 317–318
 - endometrial, 215
 - estrogen and, 215–216
 - fat and, 274
 - gut microbes and, 52
 - immunotherapy for, 239
 - insulin levels and, 225
 - leptin and, 221
 - lung cancer, 74
 - obesity and, 215
 - olfactory detection of, 74
 - pancreatic, 342
 - prostate cancer, 29
 - radiation-associated risks, 28–29
 - radiation therapy for, 29
 - and stomach health, 48
 - treatment of, 29, 61, 239
 - cancer-fighting agents, 236
 - carbohydrates
 - digestion of, 244
 - high-carb foods, 206
 - refined, 224, 227, 229, 286
 - resistant starches, 317–318
 - carbon dioxide, 180, 258
 - cardiovascular disease
 - belly fat and, 87, 313
 - in children, 168
 - magnesium deficiencies and, 116
 - after spinal thoracic dysfunction, 97–98
 - cardiovascular system, 81
 - bitter roots and herbs for, 47
 - blood pressure and, 105, 115
 - chocolate benefits for, 294
 - exercise benefits for, 261
 - food choices and, 314
 - heart rate and, 119–120
 - high blood pressure and, 119
 - moderate alcohol use and, 114
 - postprandial glucose responses and, 169, 314
 - vitamin C benefits for, 283–284
 - vitamin K2 benefits for, 53
- cassava starch, 317
- celiac disease, 65
 - intestinal bacterial overgrowth and, 165
 - intestinal inflammation and, 158
 - symptoms associated with, 65
 - and thyroid gland, 138
- cervicogenic hearing loss, 98
- cesarean sections (C-sections), 31–33
- chakras, 93
- chanting, 358–359, 363
- chewing, 46, 49, 151–154, 302–303, 305–324
- chi, 94
- childbirth
 - natural delivery, 32–33
 - via C-section, 31–33
- child health, 22
 - allergies, 33
 - behavior problems, 185, 276
 - fatty liver disease, 271–272
 - inflammatory disorders, 33
 - insulin sensitivity, 275
 - obesity, 271–281
 - overweight, 271–281
 - weight gain, 5
 - weight loss for, 272, 279–280
- childhood trauma, 174, 184
- Chinese food, 226, 229
- Chinese medicine, 173, 190, 351
- chiropractic care, 100
 - areas of silent dysfunction, 90–91
 - benefits of adjustments, 98, 263
 - focus of, 94
 - for heart rate, 121

- for high blood pressure, 113
- Innate Intelligence, 89–90, 93, 95
- philosophy of, 89–93, 95–96
 - as tool, 354
 - vital life force, 93
- chiropractors, 90, 92
- chlamydia, 21
- chocolate
 - cravings for, 294
 - for weight loss, 291–304
- cholesterol
 - in children, 168
 - fat and, 315
 - gut health and, 168
 - high levels, 145, 168
 - liver function and, 315
 - low levels, 247–248, 316
 - our body's need for, 315–316
 - prevention of, 52, 153
 - and thyroid hormones, 145
- chondroitin, 177
- Choosing Wisely (website), 34, 36
- chromium, 210
- chronic dieting, 145
- chronic health issues
 - anemia, 183–184
 - C-section and, 33
 - fatigue, 145
 - inflammation, 223, 248, 263–264
 - lab tests and, 136
 - low back pain, 25–26, 174, 184
 - neck pain, 90–91
 - pain, 176
 - a patient's frustration, 5–6
 - as result of complex processes, 15–16, 48
- cigarette smoking
 - and blood pressure, 114
 - and weight gain, 246
- cinnamon, 217
- circulation, 55, 157–158
- CNVs (copy number variations), 66–67, 244
- coconut oil, 153
- cofactors, 234
- coffee, 286
- cognitive behavior therapy
 - free online approaches, 185
 - for pain, 176–177
 - for weight loss, 289
- cognitive problems
 - in diabetics, 203
 - and digestive health, 55
 - mild cognitive impairment, 44, 49
 - natural aids for, 168
 - in pre-diabetics and diabetics, 203
 - and sugar cravings, 207
- cold extremities, 143
- cold remedies
 - and blood pressure, 114
 - over-the-counter, 114
- colic, 98
- colon cancer, 317–318

- gut microbes and, 52
- obesity and, 215
- treatment of, 61

- comfort foods, 196, 311, 322–323
- "coming to terms," 349
- community groups, 241
- compassion, 341–342
- computer time, 277–278, 281
- concentration difficulties
 - digestive issues and, 55
 - low blood sugar and, 208
 - natural aids for, 64
- constipation
 - brain dysfunction and, 56
 - fiber for, 152, 165–166
- contemplative exercises, 354, 358, 363, 372
- copper, 183
- copy number variations (CNVs), 66–67, 244
- corn starch, 317
- cortisol
 - and aging, 220
 - as anti-inflammatory hormone, 248, 264
 - and appetite, 220, 264
 - and bone health, 58
 - effects of, 147–149
 - and high blood pressure, 112
 - and hunger pangs, 206–207, 220
 - and insulin, 263
 - and obesity, 225–227
 - posture poses to lower your levels, 222
 - and stress, 218–221, 232
 - and thyroid function, 284
 - and weight gain, 205–207, 220, 268
- counseling, 184, 289, 312
- cravings. *see* food cravings; sugar cravings
- C-reactive protein, 221, 278
- Crohn's disease, 67
- C-sections, 31–33
- CT scans, 28–29
- curcumin, 117, 334
- cystic fibrosis, 75
- cytochrome P450 system, 14

- dairy products, 53
- decision fatigue, 296, 301
- decision making, 33–35
- deep healing, 357–363
- dehydroepiandrosterone (DHEA), 58
- deoxyypyridinoline, 58
- depression, 169
 - and blood pressure, 114
 - and digestion, 51–52, 55, 63–65
 - and gluten sensitivity, 65
 - low cholesterol and, 316
 - natural aids for, 64, 70
 - in PCOS, 54
 - during pregnancy, 275
 - prescription drugs for, 103
 - thyroid-hormone-related, 143
 - in thyroid insufficiency, 225
- detoxification

- kidney function, 190–191, 265–266, 298–300
- liver function, 329
- optimal, 300
- skin function, 265
- too quickly, 333
- for weight loss, 264–265, 269–270, 298–300
- DEXA (dual-energy X-ray absorptiometry), 58–59
- DHEA (dehydroepiandrosterone), 58
- diabetes
 - antibiotic overuse and, 20
 - as autoimmune disease, 167
 - bitter roots and herbs for, 47
 - calorie sources and, 204
 - chronic inflammation and, 223
 - cognitive decline in, 203
 - C-section and, 33
 - due to overweight or obesity, 202
 - food choices and, 204–205
 - heart disease in, 203
 - high blood pressure and, 114, 158
 - in Hispanics, 202
 - intestinal inflammation and, 158
 - life expectancy, 203
 - liver function and, 204, 287
 - magnesium deficiencies and, 116
 - osteoporosis and, 142
 - in PCOS, 54
 - postprandial glucose responses and, 169, 314
 - prescription drugs and, 203
 - recommended meal patterns for diabetics, 321
 - short-spurt exercise for, 261
 - statin complications, 14, 203
 - stress and, 219
 - thyroid hormones and, 145
 - type 1, 33, 167
 - type 2, 13, 20, 116–117, 141, 203–204, 219, 278, 287
 - ways to prevent it, 203–205
 - weight loss and, 202–205, 212, 261
- diabetes belt, 24
- diaries
 - blood pressure journals, 105, 107
 - dream diaries, 354, 366, 370, 372
 - journaling, 197–198, 344–345, 370
 - of life events, 354
- diarrhea, 41, 165
- dietary fat, 274
- diet choices
 - chronic dieting, 145
 - for decreasing inflammation, 223
 - for high blood pressure, 110, 114–116, 123–124
 - ketogenic diets, 223
 - and kidney function, 60, 110
 - Low FODMAP Diet, 166, 170
 - during pregnancy, 274–275

- recommendations for, 153, 318
- vegetarian diet, 110
- for weight loss, 156, 202, 247–248, 250–251
- yo-yo dieting, 246
- diet soda, 210
- digestion
 - and brain health, 55, 158
 - and health, 157–159
 - and thyroid insufficiency, 225
- digestive aids, 46–49, 183, 323–324
- digestive problems, 39–49, 75–76, 160, 163
 - bitter roots and herbs for, 47
 - brain-related, 55–56
 - depression and, 51–52, 63–65
 - treatment of, 57
 - vitamin K2 and, 53
- digestive system, 81
- distress, 230
- diuretics, 61, 112, 123
- diversity, 92–94, 337–338
- doctors, xviii, 27–31, 74
 - financial relationships, 28–31
 - specialists, 176–178, 188–189
 - true doctoring, 129–130
- dopamine, 224, 286, 296
- dream diaries, 354, 366, 370, 372
- dreams, 358, 365–370
 - as health tool, 354, 360–362
 - reviewing and interpreting, 367–369, 370, 371
 - spiritual, 371
- drug actions, 12–13
- drug effects, 12
- Drug Interactions Tool, 36
- drug resistance, 20, 22, 47
- drug toxicity, 13
- dual-energy X-ray absorptiometry (DEXA), 58–59
- dysbiosis, 164
- ear infections, 19
- eating habits
 - comfort foods, 196, 311, 322–323
 - for diabetes, 205, 321
 - for digestive problems, 159
 - emotional eating, 196, 213, 287, 289, 296–297, 311–312, 322–323
 - and obesity, 223–224, 274
 - during pregnancy, 274
 - and stress, 229
 - timing of meals, 320–322
 - for weight loss, 156, 193–194, 205, 303–304
- ecosystemic clinical approach, 178–182
- edema, 13
- Einstein, Albert, 170, 321–322
- elderly
 - excess cortisol and, 220
 - kidney function in, 13
 - muscle loss in, 82

- prescription drugs for, 13
- stomach acid problems in, 40, 45, 183, 320
- emotional eating, 196, 311–312. *see also* sugar cravings
 - comfort foods, 196, 311, 322–323
 - dopamine and, 224, 286, 296
 - food cravings, 224, 297
 - junk-food cravings, 196, 209
 - overeating, 211, 227
 - serotonin and, 213, 296
 - stress management for, 196, 213, 287, 289
 - useful foods for, 296–297
- emotions, 101–107
 - body-mind connection, 175
 - and chronic low back pain, 174, 184
 - and high blood pressure, 103–106, 122
 - posture and, 106
 - and stomach health, 48
- emulsifiers, 65
- endocrine system, 81
- endometrial cancer, 215
- energy: posture poses to increase, 222
- energy expenditure, 256–257
- epigenetics, 334
- Epstein, Donald, 174
- estrogen
 - and breast cancer, 215–216
 - effects of excess levels of, 146
 - and osteoporosis, 58
 - and stress, 232
 - and thyroid hormones, 146, 148–149
 - and weight loss, 265–268
- estrogen-to-testosterone ratio, 265
- eustress, 230
- examinations
 - physical, 27–31
 - weight-bearing MRI exams, 137
- exercise
 - beneficial effects of, 116, 204, 357–358, 362
 - breathing exercises, 107, 121, 251, 359, 362
 - for children, 277, 280
 - for decreasing inflammation, 222–223
 - for depression, 64, 70
 - for diabetes prevention, 203
 - for high blood pressure, 109
 - high-intensity, 223, 260–262, 358
 - interval training, 261, 269
 - moderate-intensity aerobics, 260
 - for obesity, 277, 283–284
 - resistance training, 260
 - short-spurt, 260–261
 - spiritual contemplative exercises, 354, 358, 363, 372
 - for weight loss, 248, 250–253, 260–262, 269, 288
 - weight training, 82, 260
- eye problems

- Chinese medicine view of, 173, 190
- liver function and, 184
- family history, 147
- fast food, 156. *see also* junk food
- fasting, 323
 - beneficial effects of, 315–316
 - for decreasing inflammation, 223
 - for high blood pressure, 124
 - intermittent, 320–321
 - water-only, 118–119
- fat
 - abdominal, 87, 313
 - dietary, 274
 - health benefits of, 315
 - liver content, 287
 - skinny, 85–86
 - visceral, 85–86
- fat-burning diets, 223
- fat cells, 272–273
- fatigue, 210
 - adrenal, 218
 - brain, 55, 301
 - chronic, 145
 - decision, 296, 301
 - after meals, 257–258
 - pituitary tumors and, 138
 - thyroid-hormone-related, 143
- fat loss, 249–252
- fats, 153, 156, 238, 305, 314–315
- fatty acids
 - for aggressive behavior, 281
 - for behavior problems, 276
 - for heart health, 121
 - for high blood pressure, 123–124
 - for pain, 177
- fatty liver disease, 271–272
- fear, 174–175
- fermented foods
 - bacteria in, 16, 52, 69–70, 123–124
 - beneficial effects of, 52, 69–70
 - for cholesterol, 52
 - food choices, 52, 69–70, 116, 123–124
 - for high blood pressure, 52, 116, 123–124
- fiber
 - for constipation, 152, 165–166
 - types of, 317–318
 - for weight loss, 316
- fiber supplements, 165
- "fight or flight" response, 56
- fish listeners, 74
- fish oil
 - for depression, 64, 70
 - for emotional eating, 297
- FODMAP Diet, 166, 170
- folate
 - for brain atrophy, 45
 - for depression, 64, 70
- folate deficiency, 64
- follicle-stimulating hormone, 58
- food allergies

antacids and, 41
gluten sensitivity, 65–70, 150, 166, 171
gut health and, 164, 167
high blood pressure and, 158
lactoferrin supplements for, 41
Food and Drug Administration (FDA), 28, 36, 263
food choices. *see also* emotional eating
acidic-type foods, 42, 60
alkaline foods, 110–111, 178
the best food plan, 309–311
for brain health, 294–298
calorie contents, 311
Chinese food, 226, 229
comfort foods, 196, 311, 322–323
for decreasing inflammation, 222–226
for diabetes prevention, 204–205
for emotional eating, 296–297
fast food, 156
fermented foods, 52, 69–70, 116, 123–124
glycemic food index, 313–316
glycemic load index, 313–316, 323
for high blood pressure, 110–111, 114, 116, 123–124
high-carb foods, 206
immune-system helpers, 239
isocaloric foods, 310
junk food, 156, 224–225
mood-altering foods, 287
organic foods, 235–236, 239, 241
for pain, 177–178
as seeds of health, 162–163
smoothies and juicing, 151–154
sources of B vitamins, 297
sources of potassium, 61
for weight loss, 193–194, 197, 209, 212, 248, 252–253, 286–287, 294–298
food cravings, 224. *see also* sugar cravings
gut health and, 297
junk-food cravings, 196, 209
food grouping, 313–316
food plans, 166, 197, 309–311
free radicals, 329
French paradox, 114
frontal cortex, 56, 112
fructose, 165–166, 310
fruits and vegetables
for high blood pressure, 110–111, 123
smoothies and juicing, 151–154
Fuller, Buckminster, 91
fuse box metaphor, 90
GABA, 258
Galen, Claudius, 360–362
gallbladder function, 298–299
gallstones, 56
gardening
health-garden paradigm, 8–9, 79–81, 84, 122, 327, 373

a patient's frustration, 5–8
seeds of health, 161–171
your body is your garden, 341–345
garlic, 47
gastric bypass surgery, 168–169
genetic nutrition, 334–335
genetics
and blood pressure, 114
and digestive problems, 66
epigenetics, 334
and obesity, 244, 274, 276
and stomach health, 48
genomics, 334
gentian, 46–47
gi, 93
glucagon, 206, 247
glucosamine, 177
glucose. *see also* blood sugar levels
and cravings, 209, 217
postprandial responses, 169, 314
gluten sensitivity, 65–70, 150, 166, 171
glycemic food index, 313–316
glycemic load index, 313–316
glyphosate, 67–68
grains, 60, 65, 165
genetically changed, 65
heritage, 65–66, 70
primitive, 65–66, 70
whole, 317
grapefruit juice, 279, 281
gratitude, 240, 341–342, 370
gray-matter atrophy, 45
green apples, 279, 281
green banana flour, 317
green leafy foods, 53
growth hormones, 142
gut bacteria, 52–53, 65, 68, 164–165, 167–169
gut health, 163, 164–169
leaky gut, 300
gut inflammation, 64, 157–158
hair loss, 141, 225
Hashimoto's disease, 146
headaches, 5, 75–76, 333
magnesium deficiencies and, 116
migraines, 116
pituitary tumors and, 138
healing, 331–339, 349
ayurvedic system, 350–351
beyond the body, 353–355
deep, 354, 357–363
individual responses, 335–337
initial responses, 332–334
healing arts, 95–99
healing reactions, 332
health (status)
child health, 22
definition of, 343–344, 350
as traffic light, 83–84, 102
as wheel, 343
health care

- Eastern approaches, 93–94
- as gardening, 5–8, 79–81, 84, 161–171, 327, 341–345
- hidden risks, 11–37
- long-term, 178–182
- as mechanical, 72–73
- preventive, 71–77
- true doctoring, 129–130
- Western approach, 15–16, 94
- wholeness-based approach, 71–77, 178–182, 348–353
- health care costs, 34
- health care spending, 27–28
- health care system, 16–17, 26–28
- health insurance, 30–31
- hearing loss, cervicogenic, 98
- heart attacks, 117, 119, 203
- heartburn, 39–40, 42, 44
 - and back pain, 99
 - natural products for, 42–43
 - and stomach acid, 40
- heart disease. *see also* cardiovascular disease
 - bitter roots and herbs for, 47
 - in diabetics, 203
- heart disorders, 97–98
- HeartMath, 359, 362
- heart rate, 119–123
- heart rhythm coherence training, 115
- Hellinger, Bert, 174
- hemorrhoids, 152, 154
- herbs that help, 238–240
 - for depression, 64, 70
 - digestive aids, 46–47, 49
 - immune-system helpers, 47, 239
 - online resources for, 191–192
 - for pain, 177
- heritage grains, 65–66, 70
- hernias, 48
- Herxheimer reaction, 332–333
- high blood pressure (hypertension), 109–124
 - breathing exercises for, 107, 121, 362
 - causes of, 113–117
 - in children, 168
 - cortisol levels and, 220
 - essential hypertension, 109
 - help for, 113–117
 - natural aids for, 52, 107
 - neurogenic, 111–112
 - a patient's story, 103–106
 - in PCOS, 54
 - postprandial glucose responses and, 169, 314
 - salt-resistant, 110
 - stress and, 111–112
 - suggestions for, 107, 362
 - white-coat hypertension, 104–105
- high-maize corn starch, 317
- high-protein snacks, 212–213, 224, 227
- hindbrain, 55
- Hinduism, 358
- hippocampus, 116, 218–219, 358

- hip problems, 75–76
- Hispanics, 202
- HMOs, 36–37
- holistic medicine
 - all for one, 187–192
 - big-picture approach, 148, 178–182, 285–287
 - our health in pieces, 71–77
 - principles of, 126
 - wholeness-based approach, 71–77, 178–182, 348–353
- homocysteine, 45, 49
- hormones
 - posture poses for, 222
 - stress hormone effects, 147–149, 229–241
 - thyroid hormones, 134–135, 141–142, 144–146, 246, 267, 308
- hospital care, 30
- hostility, 114
- hot flashes, 232
- hunger pangs
 - cortisol and, 206–207, 220
 - low blood sugar and, 229
 - ways to block, 263, 302
- hydrochloric acid, 40, 42–44
- hyperactivity, 238
- hyperarousal, 217–218
- hyperinsulinemia, 285
- hypertension (high blood pressure), 109–124
 - breathing exercises for, 107, 121, 362
 - causes of, 113–117
 - in children, 168
 - cortisol levels and, 220
 - essential, 109
 - help for, 113–117
 - natural aids for, 52, 107
 - neurogenic, 111–112
 - a patient's story, 103–106
 - in PCOS, 54
 - postprandial glucose responses and, 169, 314
 - salt-resistant, 110
 - stress and, 111–112
 - suggestions for, 107, 362
 - white-coat, 104–105
- hypoglycemia (low blood sugar)
 - and adrenals, 210
 - and cortisol levels, 226–227
 - food choices for, 223–224
 - and hunger pangs, 229
 - and serotonin, 208–209
- hypothalamic-pituitary-adrenal axis, 218
- hypothalamus
 - body connections, 142
 - and cortisol levels, 207
 - as hunger center, 207, 220, 264, 275
- hypothyroidism, 143, 145–146, 148–149
- IL-6 (interleukin-6), 278
- imaging studies, 29, 190

immune system, 81
bitter roots and herbs for, 47
and brain health, 158
delivery by C-section vs vaginal delivery
and, 32–33
dependence on other systems, 328–329
effects of chiropractic care on, 263
and gut health, 164

immune-system helpers, 47, 239

immunotherapy, 239

Incas, 175

India, ancient, 93, 350–351

individuation, 349

Industrial Revolution, 72–73

infections
acute ear infections, 19
bacterial. *see* bacteria
urinary tract infections (UTIs), 20–21, 47

inflammation
antibiotic overuse and, 20
and autoimmune disorders, 158, 223
brain, 55, 157–158, 160, 163–164
chronic, 223, 248, 263–264
decreasing, 222–226
and diabetes, 158, 223
gut (intestinal), 64, 157–158
nonsteroidal anti-inflammatory drugs
(NSAIDs), 177
and obesity, 215–227
and overeating, 215–216
and weight loss, 263–264

inflammatory bowel disease, 20, 33, 57

inflammatory disorders: in children, 33

Innate Intelligence, 89–90, 93, 95

inner essence, 372

inner fulfillment, 372

insomnia. *see also* sleep problems
natural aids for, 64, 213

insulin levels, 224–226, 248
and appetite, 285
in brain, 285
and cancer, 225
diet choices and, 247
hyperinsulinemia, 285
and stress, 219
and weight loss, 265, 268

insulin resistance
cortisol levels and, 206, 219
diet choices and, 247
fatigue after meals with, 257–258
fructose and, 310
liver fat content and, 287
muscle mass and, 250
in PCOS, 54
short-spurt exercise for, 261

insulin sensitivity
maternal diet and, 275
meal patterns and, 321
resistant starches and, 318
vitamin K2 and, 52

insurance, 30–31

intelligence
Innate Intelligence, 89–90, 93, 95
Universal Intelligence, 92

interleukin-6 (IL-6), 278

Internet
interconnections of, 101–107
resources for prescription drugs, 36

interval training, 261, 269

intestinal inflammation, 64, 157–158

intestinal permeability, 300

intestines. *see also* irritable bowel syndrome
gut bacteria, 52–53, 65, 68, 164–165,
167–169
gut health, 163, 164–169
gut inflammation, 64, 157–158
inflammatory bowel disease, 20, 33, 57
leaky gut, 300
low blood iron levels and, 183
small intestinal bacterial overgrowth
(SIBO), 165–166, 170–171
and weight loss, 264, 298–299

intrinsic factor, 45, 59

iron, 61
for good gene expression, 334
and menstruation problems, 183
and stomach function, 75–76

iron-deficiency anemia, 41, 183

iron supplements, 183–184

irritability
between meals, 227
and sugar cravings, 207

irritable bowel syndrome, 165, 320
brain dysfunction and, 56
food plans for, 166
spinal manipulative care for, 98–99

isocaloric foods, 310

joint pain, 164, 170, 177

journaling, 197–198, 344–345, 370
blood pressure journals, 105, 107
diary of life events, 354
dream diaries, 354, 366, 370, 372

juicing, 151–154

Jung, Carl, 349, 358, 372

junk food, 156, 224–225

junk-food cravings, 196, 209

kava, 64, 70

kefir, 53, 69

ketogenic diets, 223

ki, 93

kidney function
detoxification, 190–191, 265–266, 298–
300
diet choices and, 60, 110
drug excretion, 13
and high blood pressure, 113
and insulin, 287
in older people, 13
and osteoporosis, 58
and potassium levels, 111

- and thyroid function, 147
- vitamin D activation, 266
- and weight loss, 264, 298–299
- Klinghardt, Dietrich, 174
- knee problems, 75–76
- knee-replacement surgery, 25
- Korea, 93
- lab tests
 - blood tests, 84, 117–119, 136, 139
 - and chronic health issues, 171
 - health as a traffic light, 83–84
 - importance of, 83, 86
 - limitations of, 117–119, 190
 - magnesium levels, 117–118
 - meaning of results, 83, 86
 - mineral levels, 118
 - vitamin levels, 118
- lactoferrin, 61–62
- lactoferrin supplements, 41
- leaky gut, 300
- learning, 358
- legumes, 165, 317
- leptin
 - cancer risks, 221
 - C-reactive protein and, 221
 - elevated cortisol levels and, 264
- leptin resistance, 221, 264
- levothyroxine, 143
- L-glutamate supplements, 160
- libido, low, 143, 220
- licorice, 46, 217
- life expectancy
 - in diabetics, 203
 - heart rate and, 120
 - in high blood pressure, 104
- life's toolbox, 353–354, 357–363
- lifestyle changes
 - for high blood pressure, 115
 - for weight loss, 244, 248–249
- light therapy, 64, 70
- lithium, 147
- liver disease
 - in children, 168
 - fatty liver disease, 271–272
- liver function
 - alcohol and, 286
 - burning calories, 258
 - in children, 271–272
 - Chinese medicine view of, 190
 - cholesterol production, 315
 - detoxification and enzyme production, 298–299, 329
 - and diabetes, 204, 287
 - and eye problems, 173, 184
 - and high blood pressure, 113
 - and insulin resistance, 287
 - and kidneys, 190–191
 - supplements for, 184
 - vitamin D activation, 266
 - and weight loss, 264–267, 286–287

- long bones, 329
- love handles, 87, 313
- low back pain, 25–26, 137, 174, 184
- low blood sugar (hypoglycemia)
 - and adrenals, 210
 - and cortisol levels, 226–227
 - food choices for, 223–224
 - and hunger pangs, 229
 - and serotonin, 208–209
- lower-extremity bypass surgery, 25
- Low FODMAP Diet, 166, 170
- low libido (low sex drive), 143, 220
- lumbar surgery, 25
- lung cancer, 74
- lungs, 264, 329
- lymphatic system, 81
 - long-term distress and, 230–231
 - and weight loss, 264
- macro minerals, 236
- macrophages, 85–86
- magnesium
 - for heart health, 121
 - for high blood pressure, 114, 116–117, 123–124
 - for weight loss, 297
- magnesium deficiency, 116
- magnetic resonance imaging (MRI), 29, 137
- malabsorption, 165
- Malaysia, 74
- mana, 93
- massage, 91, 93, 354
- masseter muscles, 306
- meal patterns, 321
- meaning, 343, 347–356
- medical insurance, 30–31
- medical technology, 27–28, 74
- Medication Guides (FDA), 36
- medicine, 26
- meditation
 - for deep healing, 354, 358
 - for stress management, 115
 - as tool, 354
 - Transcendental Meditation, 358–359
 - Zen meditation, 358
- melatonin, 213, 217
- memory problems
 - digestive issues and, 55
 - exercise for, 358
 - low blood sugar and, 208
 - natural aids for, 64, 168, 222, 358
 - posture poses for, 222
 - stress effects, 219
 - thyroid dysfunction and, 134–135
- menopause, 58, 232
- men's health
 - obesity in, 265
 - prostate cancer, 29
- menstrual cycles
 - cortisol levels and, 220
 - pituitary tumors and, 138

- premenstrual symptoms, 299
- menstruation problems
 - chocolate cravings, 294
 - and low blood iron levels, 183, 301
 - thyroid-hormone-related issues, 143
- mental health, 278
- mental health drugs, 24
- mental impulses, 95
- meridians, 94
- metabolic syndrome, 169, 314
- metabolism
 - effects of yo-yo dieting on, 246
 - thyroid hormones and, 134, 142, 246
- metabolomics, 236
- metformin, 46
- methylmalonic acid, 45–46
- Mexican waves, 96–97
- microbiome, 167
- microcurrent stimulation, 64
- migraines, 116–117
- mild cognitive impairment, 44, 49
- milk, 61–62, 69, 165, 320
- mind-body connections, 51–70, 125–131
 - big-picture approach, 174–175
 - and high blood pressure, 115
 - and weight loss, 249, 312
- mindful heartbeat feedback, 107
- mindfulness, 75, 359, 362
- mineral deficiencies, 210
- mineral supplements, 60, 233–236
- mini-brain, 95
- mirrors, 243–245
- miscarriages, 54
- miso, 53, 124
- MoodGYM, 185, 289
- moods, 287, 289
- morphine, 177
- motivation: lack of, 55, 112
- MRI (magnetic resonance imaging) scans, 29, 137
- Muir, John, xviii
- multiple sclerosis, 57
- muscle aches, thyroid-hormone-related, 143
- muscle mass
 - healthy, 87, 259–260
 - loss in, with aging, 82
 - loss in, with weight loss, 249–252
- muscle tone, 259–260
- muscular system, 81
- mushrooms, 165
- Native Americans, 347
- natural delivery, 32–33
- natural remedies
 - for anxiety, 64
 - for attention deficit disorders, 64
 - for bone health, 61–62
 - for childhood obesity, 279
 - for depression, 64, 70
 - for heartburn, 42–43
 - for high blood pressure, 107

- for memory and concentration issues, 64
- online resources for, 191–192
- for seasonal affective disorder, 64
- for sleep problems, 64, 213
- for stress management, 64
- for sugar cravings, 212–213, 227
- for weight loss, 279, 287–288

- natural resistant starches, 317
- natural supplements, 5, 162–163, 233–236
- nausea, 65
- neck pain, 90–91
- nervous system, 81–82, 94
 - bitter roots and herbs for, 47
 - components of, 97
 - effects of chiropractic care on, 263
 - Internet as, 101–107
 - preparing for weight loss, 262–263
- neuronal degeneration, 55
- neurons, 55
- neurotransmitters, 63
- nicotine, 112, 246
- nociceptors, 176
- nonsteroidal anti-inflammatory drugs (NSAIDs), 177
- norepinephrine, 111
- no-till farming, 79–81
- NOVA, 222
- NSAIDs (nonsteroidal anti-inflammatory drugs), 177
- nutrigenomics, 334
- nutrition, genetic, 334–335
- nutritional deficiencies
 - and stomach health, 48
 - and thyroid function, 147
- obesity
 - antibiotics and, 21–22
 - blood sugar and, 225–226
 - cancer and, 215–216
 - childhood, 271–281
 - cortisol and, 225–226
 - diabetes due to, 202
 - eating habits and, 223–224, 274
 - exercise for, 277, 283–284
 - genetics and, 244, 274, 276
 - health risks of, 283
 - inflammation and, 215–227
 - in men, 265
 - natural remedies for, 279
 - postprandial glucose responses and, 314
 - sleep problems and, 211, 279
 - as symptom, 199–202
- oils, saturated, 114
- okra, 42–43
- older people. *see* elderly
- "Om," 358
- omega-3 fatty acids
 - for aggressive behavior, 281
 - for behavior problems, 276
 - for heart health, 121
 - for high blood pressure, 114, 123–124

for pain, 177
\$100 breath challenge, 251
opioids, 23, 177
Oreo cookies, 297
organic foods, 235–236, 239, 241
organochlorines, 299
osteoarthritis, 53
osteoblasts, 62
osteocalcin, 52
osteoclasts, 62
osteoporosis
 bitter roots and herbs for, 47
 calcium for, 59
 cortisol levels and, 219
 diabetes and, 142
 hidden connections, 57–62
 magnesium deficiencies and, 116
 medications for, 59
 thyroid hormone levels and, 141
 vitamin D for, 59
 vitamin K for, 52
ovaries. *see* polycystic ovary syndrome (PCOS)
overeating, 211, 227
overprescription issues, 23–24, 327
over-the-counter products, 234
 antacids, 39, 40–42
 pain relievers, 114
overweight. *see also* obesity
 and breast cancer, 215–216
 diabetes due to, 202
 health risks of, 283
 a patient's frustration, 5
overweight children, 271–281
oxygen consumption, 261–262

pain, 175–178, 185, 226
 back pain, 5, 99
 brain-based approaches for, 176–177
 chronic, 176
 chronic neck pain, 90–91
 headaches, 5, 75–76
 heartburn, 39–40, 42–44, 99
 joint pain, 170, 177
 low back pain, 25–26, 174, 184
 stomachaches, 39–49, 75–76, 157
 upper abdominal pain, 99

pain relievers
 and blood pressure, 114
 over-the-counter drugs, 114
 prescription drugs, 23–24, 177

pancreas, 51, 163, 206, 287, 314, 319
pancreatic cancer, 342
Paracelsus, xviii
paracetamol (acetaminophen), 177
parasympathetic nervous system, 56
paratha, 128
parathyroid tumors, 266
Parkinson's disease, 52, 166, 171
PCBs (polychlorinated biphenyls), 299
PCOS (polycystic ovary syndrome), 54, 70
peppermint, 46

pepsin, 44, 46
permeability, intestinal, 300
pesticides, 67–68, 237–238, 241, 246, 279
pharmacists, 35
pharmacogenetics, 14
pharmacokinetics, 13
philosophy, 95–99
physical activity, 269. *see also* exercise
physical examination, 27–31
physicians, xviii, 27–31, 74
 financial relationships, 28–31
 specialists, 176–178, 188–189
 true doctoring, 129–130
phytochemicals, 234, 236
pickles, 53
pituitary gland, 142, 144–145, 218
pituitary tumors, 138
pollutants, 246
polychlorinated biphenyls (PCBs), 299
polycystic ovary syndrome (PCOS), 54, 70
polymorphisms, 14, 66
Polynesia, 93
post-antibiotic era, 20
posture, 106, 222, 227
potassium
 for depression, 70
 food sources, 61, 111
 for heart health, 121
 for high blood pressure, 111, 123
 for osteoporosis, 60
 sodium-to-potassium ratio, 111
potassium bicarbonate, 61, 70
potatoes, 317
power poses, 222
prana, 93
prayer, 115, 358, 363
pre-diabetes, 212
prefrontal cortex, 294–295
pregnancy
 cesarean delivery (C-sections), 31–33
 depression during, 275
 diet choices during, 274–275
 eating habits during, 274
 and obese children, 275–278
 stress during, 275
 and thyroid function, 147
pre-hypertension, 104
premenstrual symptoms, 299
prescription drugs
 adverse reactions to, 12
 antibiotics, 19–24
 antipsychotics, 24
 for anxiety, 103
 and blood pressure, 113–114
 correct use of, 326–327
 for depression, 103
 drug actions, 12–13
 drug effects, 12
 Drug Interactions Tool, 36
 for elderly, 13
 hidden risks, 11–12, 27

- for high blood pressure, 103, 123
- Internet resources for, 36
- mediation review, 35
- mental health drugs, 24
- nonsteroidal anti-inflammatory drugs (NSAIDs), 177
- overuse of, 23–24, 327
- painkillers, 23–24, 177
- a patient's frustration, 5
- pharmacogenetics, 14
- pharmacokinetics, 13
- questions to ask yourself, 330
- resistance to, 20, 22, 47
- risk of diabetic complications with, 14, 203
- as seeds of health, 162–163
- side effects of, 12, 14
- statins, 14, 203
- steroids, 177
- and thyroid function, 147
- for women, 24
- preventive health care, 71–77
- primary care physicians, 191
- probiotics, 68–70
- progesterone, 58, 232
- prostate cancer, 29
- protein
 - digestion and assimilation of, 319–320
 - recommendations for, 153
 - for weight loss, 248
- protein snacks, 212–213, 224, 227, 269
- proton pump inhibitors, 41, 165
- psoriasis, 67
- psychiatry, 73
- psychology, 26–27, 73
- pulsed light, 64
- pulse reading, 128
- purpose, 371–374

- questions: asking, 127–129, 131, 326–327, 330

- radiation exposure risks, 28–29
- radiation therapy, 29
- raw potato starch, 317, 323
- reasoning
 - exercise for, 358
 - low blood sugar and, 208
 - natural aids for, 168
- reconciliation, 349
- red meat, 222
- refined carbohydrates, 224, 227, 229, 286
- relaxation exercises, 115
- reproductive system, 81
- resistance training, 260
- resistant starches, 317–318, 323
- respiratory system, 81
- "rest and digest" response, 56
- resting metabolic rate, 256
- resveratrol, 334
- retracing, 332
- rheumatoid arthritis, 58
- Rhodiola rosea, 121, 296–297

- Rolfing, 354
- roots, 47, 233
- Roundup, 67–68

- saliva, 46, 152, 245, 305
- salt, 60, 74, 103, 109–110, 112–114, 156
- salt-resistant high blood pressure, 110
- saturated fats, 114
- saturated oils, 114
- sauerkraut, 52, 69–70
 - for gut health, 53
 - for high blood pressure, 124
- Schofferman, Jerome, 174
- science, 95–99
- seasonal affective disorder, 64
- second brain, 208
- seeds of health, 161–171
- selective serotonin reuptake inhibitors (SSRIs), 63
- selenium, 236
- Self, 349, 372
- self-discipline, 196
- self-regulation techniques, 115
- Selye, Hans, 230–231
- serotonin
 - and depression, 63
 - and emotional eating, 213, 296
 - and fatigue after meals, 258
 - and weight, 207–209, 213
- service to others, 363, 374
- sex drive, low, 220
- sexually transmitted diseases (STDs), 21
- shamans, 347
- SIBO (small intestinal bacterial overgrowth), 165–166, 170–171
- sick dog's weight-loss lessons, 199–202
- sickness care, 17
- singing, 358–359
- single nucleotide polymorphisms (SNPs), 66
- skeletal system, 81
- skin, 81
- skinny fat, 85–86
- skin problems
 - and gluten sensitivity, 65
 - and liver issues, 75–76, 265–266
 - spinal-correction treatment for, 98
 - and weight loss, 264
- skin tests, 74
- sleep problems
 - and adrenal glands, 211, 216–218, 268
 - cortisol levels and, 219
 - and digestive disorders, 48
 - insomnia, 64
 - natural aids for, 64, 213
 - and obesity, 211, 279
 - and overeating, 211
 - a patient's frustration, 5
 - and stomach issues, 48
- small intestinal bacterial overgrowth (SIBO), 165–166, 170–171
- small intestines, 59

smoking cessation, 246
smoothies, 151–154
snacks, 212–213, 224, 227, 269
SNPs (single nucleotide polymorphisms), 66
Socrates, 148
soda, diet, 210
sodium, 109–111
sodium bicarbonate, 110
sodium-to-potassium ratio, 111
sore throat, 19
Soul, 372
sound therapy, 64, 70
soy sauce, 53
spatial attention, 33
specialists, 176–178, 188–189
spices, 47
spinal aberrations, 98
spinal cord, 95
spinal fusion surgery, 25–26
spinal health, 97–99
spinal manipulative care, 98–99
spinal surgery, 25
spiritual contemplative exercises, 354, 358, 363, 372
spiritual dreaming, 371
spiritual remedies, 358–359, 363
spleen, 329
SSRIs (selective serotonin reuptake inhibitors), 63
St. John's wort, 64, 70
Stanford University, 166, 170
starches, resistant, 317–318, 323
statins
 risk of diabetic complications with, 14, 203
 side effects of, 14
steroids, 176–177
stiffness, arterial, 115
stomachaches, 39–49, 75–76, 157
stomach acid problems, 42–44
 in elderly, 183, 320
 heartburn due to, 40
 high stomach acid levels, 42–43
 low stomach acid levels, 40–43, 48, 183
 symptoms of, 40, 43
 as we get older, 40, 45
stomach atrophy, 44–46
stomach health
 and autoimmune disorders, 48, 158
 gut bacteria, 52–53, 65, 68, 164–165, 167–169
 gut health, 163, 164–169
 gut inflammation, 64, 157–158
 leaky gut, 300
stomach ulcers, 230–231
Stone Age, 60
stones, 56
strep, 19
stress
 and cortisol, 218–221
 and diabetes, 219

 eating in response to. *see* emotional eating
 effects of, 116
 and high blood pressure, 111–112, 115, 123
 and hormones, 229–241
 of losing weight, 287
 in PCOS, 54
stress-handling classes, 115
stress hormones, 147–150
stress management
 breathing exercises, 107, 362
 comfort foods, 196, 311, 322–323
 for emotional eating, 196, 213, 287, 289
 natural aids, 64, 107, 213
 a patient's story, 196
 vitamin C, 211
strokes, 60–61, 105, 119
sugar
 blood levels, 217, 225–226, 250, 259
 low blood sugar (hypoglycemia), 208–210, 223–224, 226–227, 229
sugar cravings
 causes of, 206–207
 chocolate cravings, 294
 low-functioning adrenals and, 209–212, 217–218, 268
 mineral deficiencies and, 210
 natural aids for, 212–213, 227
 sleep loss due to, 217–218
 vitamin C for, 211
suicide, 316
supplements
 calcium, 116–117, 183
 digestive aids, 323–324
 fiber, 165
 iron, 183–184
 lactoferrin, 41
 L-glutamate, 160
 for liver health, 184
 magnesium, 117
 mineral, 60, 233–236
 natural, 5, 233–236
 as seeds of health, 162–163
 vitamin, 233–236
 whole-food, 241
 zinc, 168, 171
surgical interventions, 24–27, 29
 back surgery, 25, 174
 gastric bypass surgery, 168–169
 lower-extremity bypass surgery, 25
El Susto, 175
sympathetic nervous system, 56, 262–263
symptoms, 75–76, 155–160, 347, 350
synthetic or artificial vitamins, 234

T3, 145, 307
T4, 143, 145
Tabata, Izumi, 269
Tabata protocol, 269
t'ai chi, 354

taurine, 59
technology, 27–28, 74, 189
television time, 277
tensegrity mode, 91
testosterone
 and bone health, 58
 and cortisol, 115
 estrogen-to-testosterone ratio, 265
 posture poses to raise your levels, 222
thalamus, 96
therapy, 115, 184, 354
thermal effects, 316
thirst, 301
thoracic vertebrae deformities, 98
throat, sore, 19
thyroid gland, 141–150
 and brain dysfunction, 55
 and brain health, 134–138
 family history of dysfunction, 147
 hypothyroidism, 143, 145–146, 148
 and osteoporosis, 58
 and weight loss, 284, 307–308
thyroid hormones, 141–142, 144–146, 308
 and brain health, 134–135
 and weight loss, 246, 267
thyroid insufficiency, 225
thyroid-stimulating hormone (TSH), 142, 144–145
thyroid-stimulating hormone (TSH) test, 84, 137–139
Tibetan medicine, ancient, 175
timing of meals, 320–322
tiredness, 138. *see also* fatigue
tomatoes, 217
tonality, 96
total daily energy expenditure, 256–257
toxins
 in children, 279
 detoxing for weight loss, 264–265, 269–270, 299–300
 detoxing too quickly, 333
 drug toxicity, 13
 environmental agents, 299
 liver function and, 329
 optimal detoxification, 300
 thyroid hormones and, 145, 147
trace minerals, 329
traditional Chinese medicine, 351
traffic lights: health status as, 83–84, 102
Transcendental Meditation, 358–359
trauma
 and brain dysfunction, 55
 childhood, 174
 definition of, 298
travel, 354
triglycerides, 153, 168, 279, 286–287, 311
true doctoring, 129–130
TSH (thyroid-stimulating hormone), 142, 144–145
TSH (thyroid-stimulating hormone) test, 84, 137–139

tuberculosis, 74
tumor necrosis factor α , 117
tumor necrosis factor $\kappa\beta$, 117
tumors, parathyroid, 266
tumors, pituitary, 138
Twain, Mark, 354
tyrosine, 297

ulcers, 43, 46, 115, 230
Universal Intelligence, 92
University of Maryland, 192
University of Maryland Medical Center, 36
upper abdominal pain, 99
urinary system, 81
urinary tract infections (UTIs), 20–21, 47
uropathogens, 20–21, 47
UTIs (urinary tract infections), 20–21, 47

vaginal delivery, 32–33
vagus nerve, 52, 263
vascular disease, 116
vegetables
 for high blood pressure, 110–111, 123
 smoothies and juicing, 151–154
vegetarian diet, 110
visceral fat, 85–86
vision, blurred, 207
visual issues
 liver function and, 184
 pituitary tumors and, 138
vitalistic approach, 100
vital life force, 93
vitamin A, 177
vitamin B
 for depression, 64, 70
 foods rich in, 297
 for good gene expression, 334
 for gray-matter atrophy, 45–46
vitamin B6, 45
vitamin B12
 for gray-matter atrophy, 45–46
 gut health and, 59
vitamin C, 210–213, 283–284
vitamin D
 activation of, 266
 for high blood pressure, 114, 123–124
 for hypothyroid conditions, 146
 for osteoporosis, 59
 for pain, 177
 for weight loss, 266
vitamin K, 52–53
vitamin K2, 52–53
vitamin supplements, 233–236

Walker, Scott, 174
walking, 283–284, 288, 323
water intake
 before meals, 301–302, 322
 for weight loss, 301–303, 322
water-only fasting, 118–119
water retention, thyroid-hormone-related, 143

- weight
 - body-weight set points, 245–249
 - normal, 85–86, 87
- weight-bearing MRI exams, 137
- weight gain. *see also* obesity; overweight
 - antibiotics and, 21–22
 - cortisol levels and, 205–207, 220, 268
 - insulin levels and, 268
 - a patient's frustration, 5
 - in PCOS, 54, 116
 - pituitary tumors and, 138
 - after stopping smoking, 246
 - as symptom, 199–202
 - thyroid-hormone-related, 143, 225
 - for weight loss, 308–309
- weight loss, 85–86, 193–198, 243–270, 283–289
 - and adrenal glands, 209–212
 - behavior therapy for, 289
 - big-picture approach, 285–287
 - blood sugar and, 259
 - body-mind connections and, 249, 312
 - body-weight set points, 245–249
 - breathing exercises for, 251
 - for children, 272, 279–280
 - chocolate for, 291–304
 - cigarette smoking and, 246
 - and cortisol, 205–207, 248, 263
 - detoxification for, 264–265, 269–270, 298–300
 - for diabetes, 202–205, 212, 261
 - diet choices for, 156, 247–248
 - eating habits for, 156, 193–194, 205, 303–304
 - estrogen and, 265–268
 - exercise for, 248, 250–253, 260–262, 269, 288
 - in fat vs muscle, 249–252
 - fiber for, 316
 - food choices for, 193–194, 197, 209, 212, 248, 252–253, 286–287, 294–298
 - grapefruit juice for, 279
 - green apples for, 279
 - inflammation and, 263–264
 - insulin and, 268
 - insulin levels and, 265, 268
 - kidney function and, 264
 - lifestyle changes for, 244, 248–249
 - liver function and, 264–267, 286–287
 - magnesium for, 297
 - mind-body connections and, 249, 312
 - and mirrors, 243–245
 - as most important thing you can do, 191
 - natural remedies for, 279, 287–288
 - for PCOS, 70
 - pituitary tumors and, 138
 - preparing for, 262–265
 - protein for, 248
 - and serotonin, 207–209
 - a sick dog's weight-loss lessons, 199–202
 - suggestions for, 247–248, 252–253, 288–289
 - thyroid gland and, 284, 307–308
 - trauma of, 298–300
 - vitamin D for, 266
 - water for, 301–303, 322
 - weight gain for, 308–309
- weight-loss programs, 197
- weight training, 82, 260
- wellness, 18
- whey protein, 160, 320
- white-coat hypertension, 104–105
- whole-food supplements, 241
- whole grains, 317
- wholeness-based approach, 71–77, 178–182, 348–353
- wine, 114
- wolves, 173–185
- women's health
 - breast cancer, 215–216
 - breastfeeding, 33
 - hypothyroidism, 148–149
 - polycystic ovary syndrome (PCOS), 54, 70
 - pregnancy, 274, 275–278
 - prescription drugs for, 24
 - thyroid issues, 148–149
- yellow-light zone, 83–84
- Yellowstone National Park, 180–182
- yoga, 93, 351, 354
- Yogananda, Paramahansa, 93
- yogurt, 52, 69–70
- yo-yo dieting, 246
- Zen meditation, 358
- zinc supplements, 168, 171