

A

actinium, 259–260
 aluminum, 37–39
 americium, 270–273
 antimony, 150–152
 argon, 52–53
 arsenic, 96–98
 astatine, 247–249

B

barium, 165–167
 berkelium, 270–273
 beryllium, 10–12
 bismuth, 241–243
 bohrium, 270–273
 boron, 13–15
 bromine, 102–104

C

cadmium, 141–143
 calcium, 57–59
 californium, 270–273
 carbon, 16–19
 cerium, 171–172
 cesium, 162–164
 chlorine, 49–51
 chromium, 68–70
 cobalt, 78–80
 copernicium, 270–273
 copper, 84–86
 curium, 270–273

D

darmstadtium, 270–273
 dubnium, 270–273
 dysprosium, 192–193

E

einsteinium, 270–273
 erbium, 196–198
 europium, 184–186

F

fermium, 270–273
 flerovium, 270–273
 fluorine, 26–28
 francium, 253–255

G

gadolinium, 187–189
 gallium, 90–92
 germanium, 93–95
 gold, 229–231

H

hafnium, 208–210
 hassium, 270–273
 helium, 4–6
 holmium, 194–195
 hydrogen, 1–3

I

indium, 144–146
 iodine, 156–158
 iridium, 223–225
 iron, 74–77

K

krypton, 105–107

L

lanthanum, 168–170
 lawrencium, 270–273
 lead, 238–240

lithium, 7–9
 livermorium, 270–273
 lutetium, 205–207

M

magnesium, 34–36
 manganese, 71–73
 meitnerium, 270–273
 mendelevium, 270–273
 mercury, 232–234
 molybdenum, 123–125
 moscovium, 270–273

N

neodymium, 176–177
 neon, 29–30
 neptunium, 270–273
 nickel, 81–83
 nihonium, 270–273
 niobium, 120–122
 nitrogen, 20–22
 nobelium, 270–273

O

oganesson, 270–273
 osmium, 220–222
 oxygen, 23–25

P

palladium, 135–137
 phosphorus, 43–45
 platinum, 226–228
 plutonium, 270–273
 polonium, 244–246
 potassium, 54–56
 praseodymium, 173–175
 promethium, 178–180
 protactinium, 264–266

R

radium, 256–258
radon, 250–252
rhenium, 217–219
rhodium, 132–134
roentgenium, 270–273
rubidium, 108–110
ruthenium, 129–131
rutherfordium, 270–273

S

samarium, 181–183
scandium, 60–62
seaborgium, 270–273
selenium, 99–101
silicon, 40–42
silver, 138–140
sodium, 31–33
strontium, 111–113
sulfur, 46–48

T

tantalum, 211–213
technetium, 126–128
tellurium, 153–155
tennessine, 270–273
terbium, 190–191
thallium, 235–237
thorium, 261–263
thulium, 199–201
tin, 147–149
titanium, 63–64
tungsten, 214–216

U

uranium, 267–269

V

vanadium, 65–67

W

wolfram, 214–216

X

xenon, 159–161

Y

ytterbium, 202–204
yttrium, 114–116

Z

zinc, 87–89
zirconium, 117–119