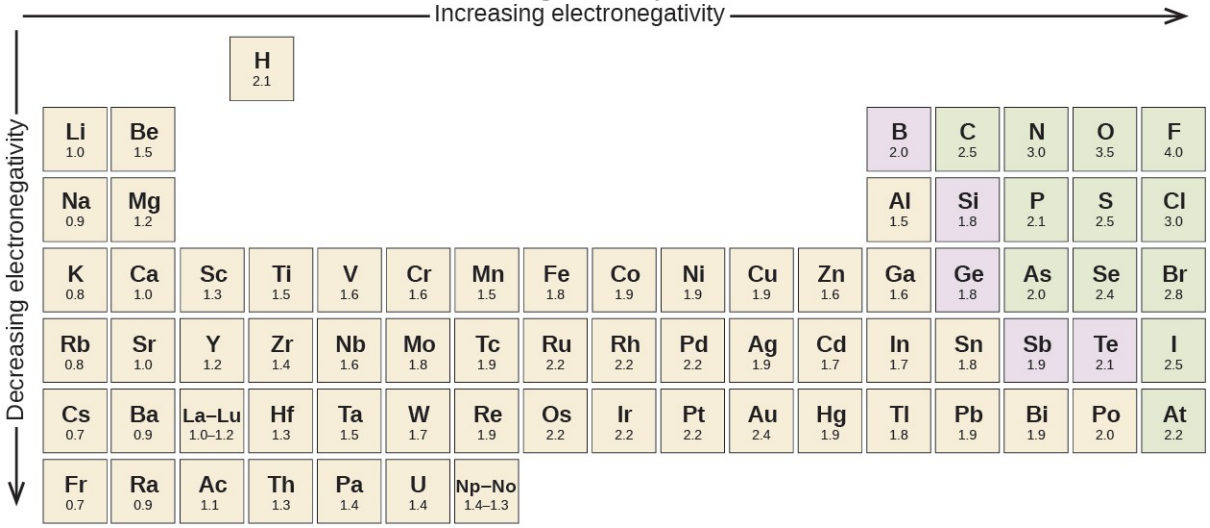
# Bond Enthalpy Values (kJ/mol)

| Bond | Bond Energy | | Bond | Bond Energy | | Bond | Bond Energy |
|---|---|---|---|---|---|---|---|
| H–H | 436 | | C–S | 260 | | F–Cl | 255 |
| H–C | 415 | | C–Cl | 330 | | F–Br | 235 |
| H–N | 390 | | C–Br | 275 | | Si–Si | 230 |
| H–O | 464 | | C–I | 240 | | Si–P | 215 |
| H–F | 569 | | N–N | 160 | | Si–S | 225 |
| H–Si | 395 | | N=N | 418 | | Si–Cl | 359 |
| H–P | 320 | | N≡N | 946 | | Si–Br | 290 |
| H–S | 340 | | N–O | 200 | | Si–I | 215 |
| H–Cl | 432 | | N–F | 270 | | P–P | 215 |
| H–Br | 370 | | N–P | 210 | | P–S | 230 |
| H–I | 295 | | N–Cl | 200 | | P–Cl | 330 |
| C-C | 345 | | N–Br | 245 | | P–Br | 270 |
| C=C | 611 | | O–O | 140 | | P–I | 215 |
| C≡C | 837 | | O=O | 498 | | S–S | 215 |
| C–N | 290 | | O–F | 160 | | S–Cl | 250 |
| C=N | 615 | | O–Si | 370 | | S–Br | 215 |
| C≡N | 891 | | O–P | 350 | | Cl–Cl | 243 |
| C–O | 350 | | O–Cl | 205 | | Cl–Br | 220 |
| C=O | 741 | | O–I | 200 | | Cl–I | 210 |
| C≡O | 1080 | | F–F | 160 | | Br–Br | 190 |
| C–F | 439 | | F–Si | 540 | | Br–I | 180 |
| C–Si | 360 | | F–P | 489 | | I–I | 150 |
| C–P | 265 | | F–S | 285 | | | |

# Electronegativity Values