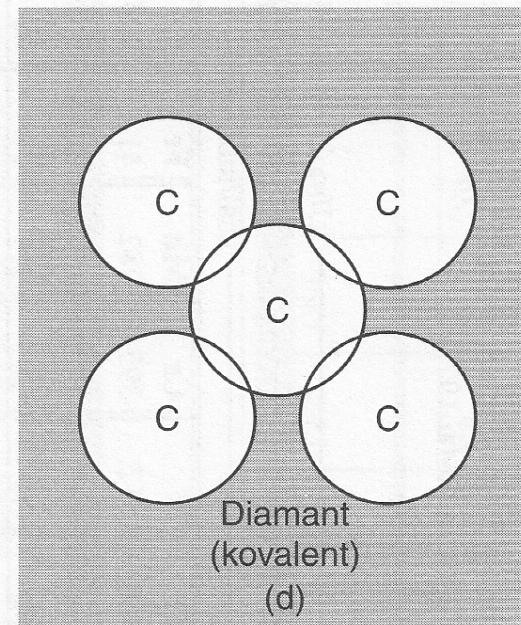
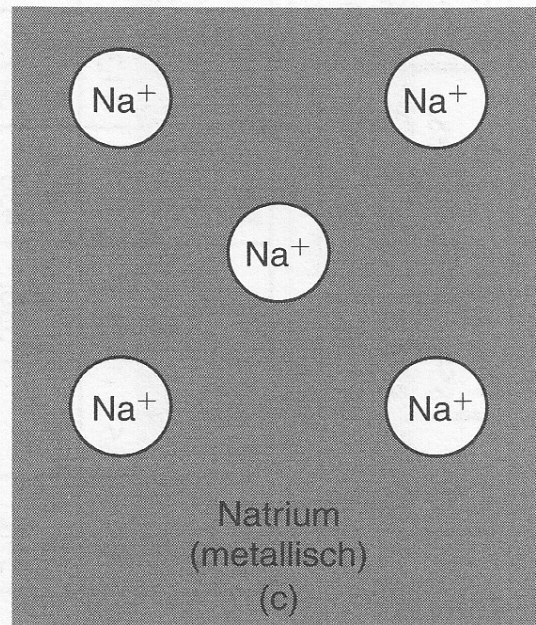
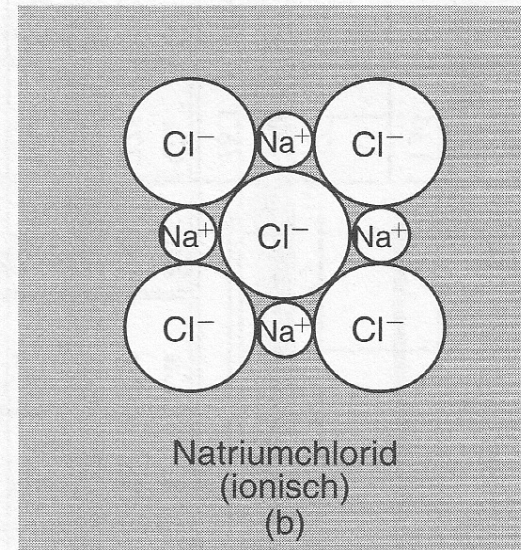
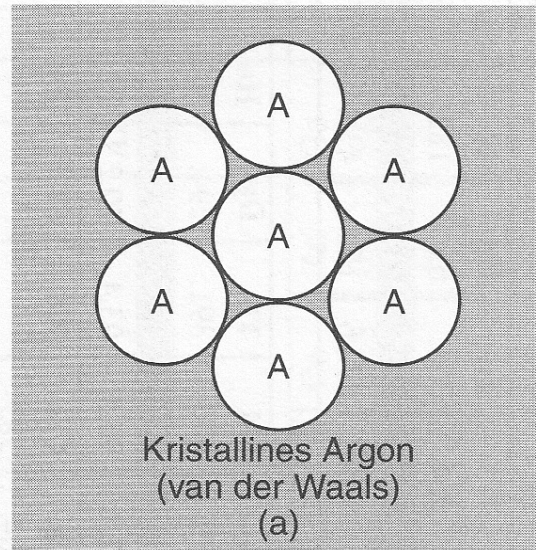
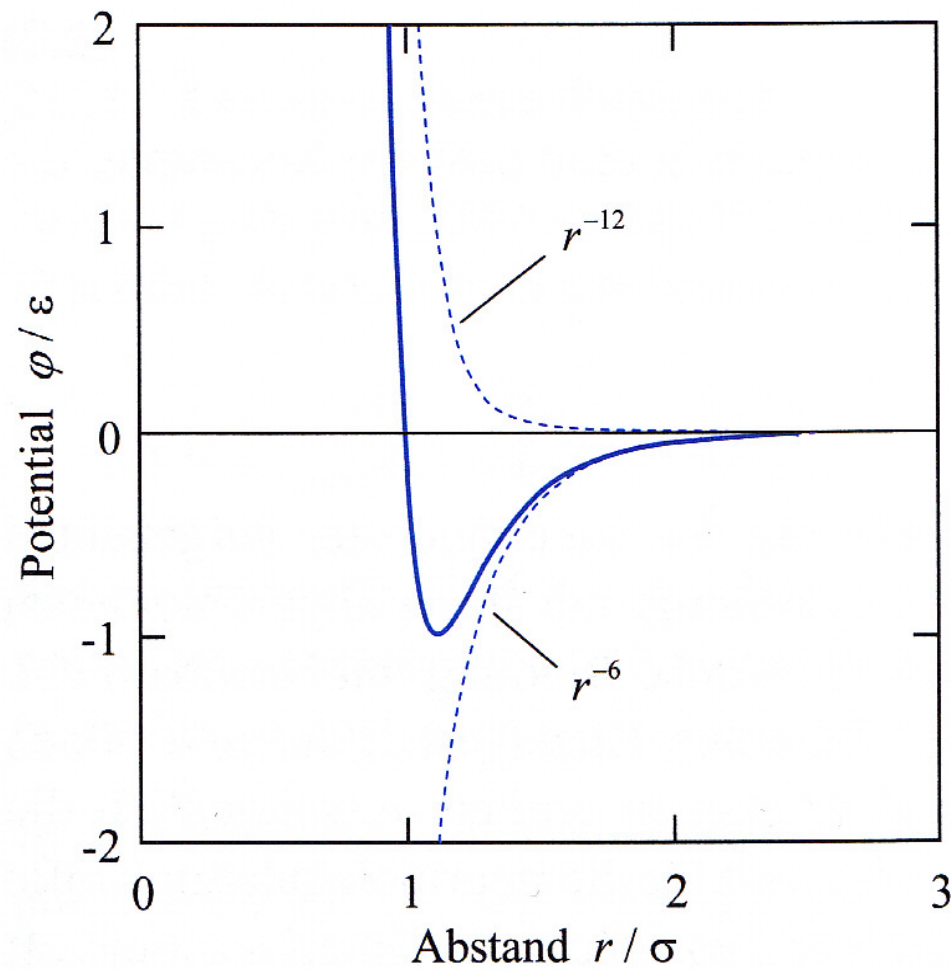


Bindungstypen

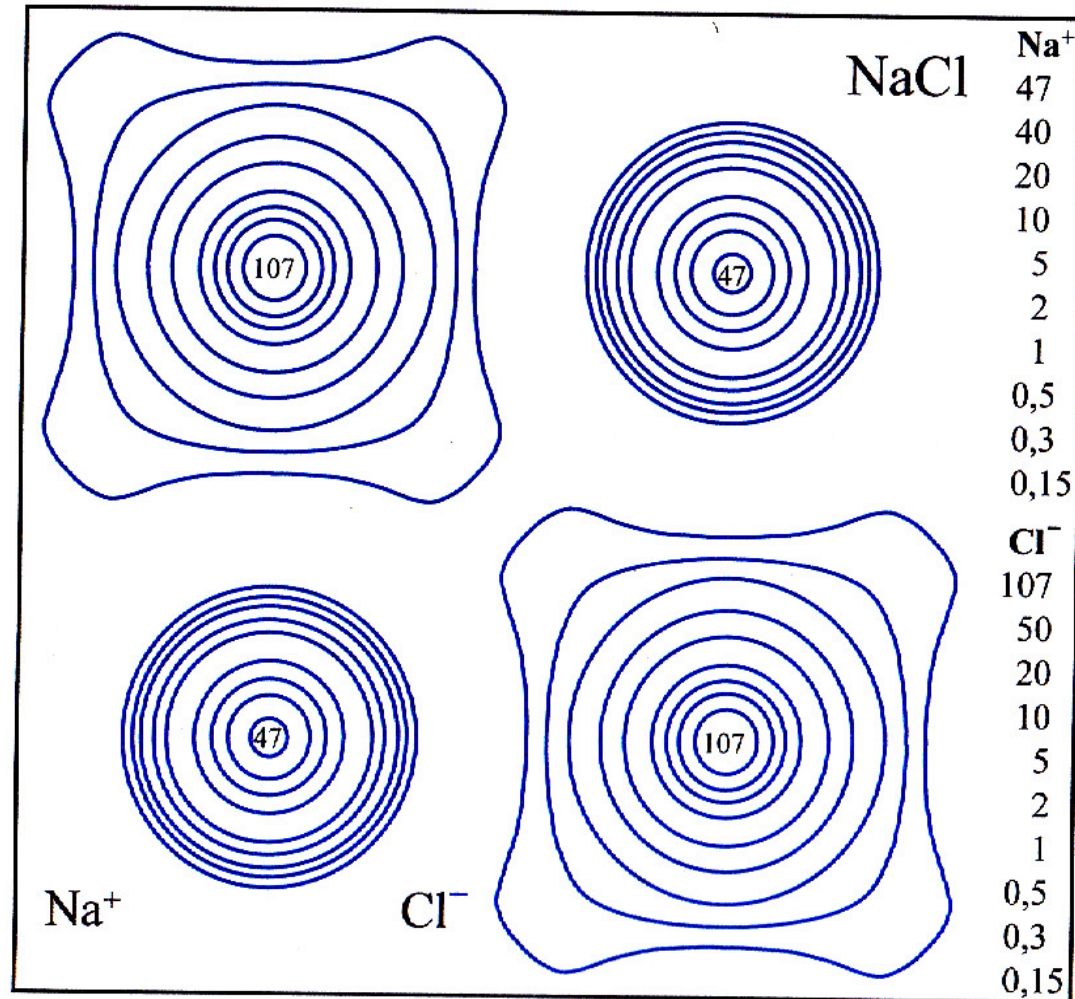


(e) Wasserstoffbrücke $\text{A-H}\cdots\text{B}$

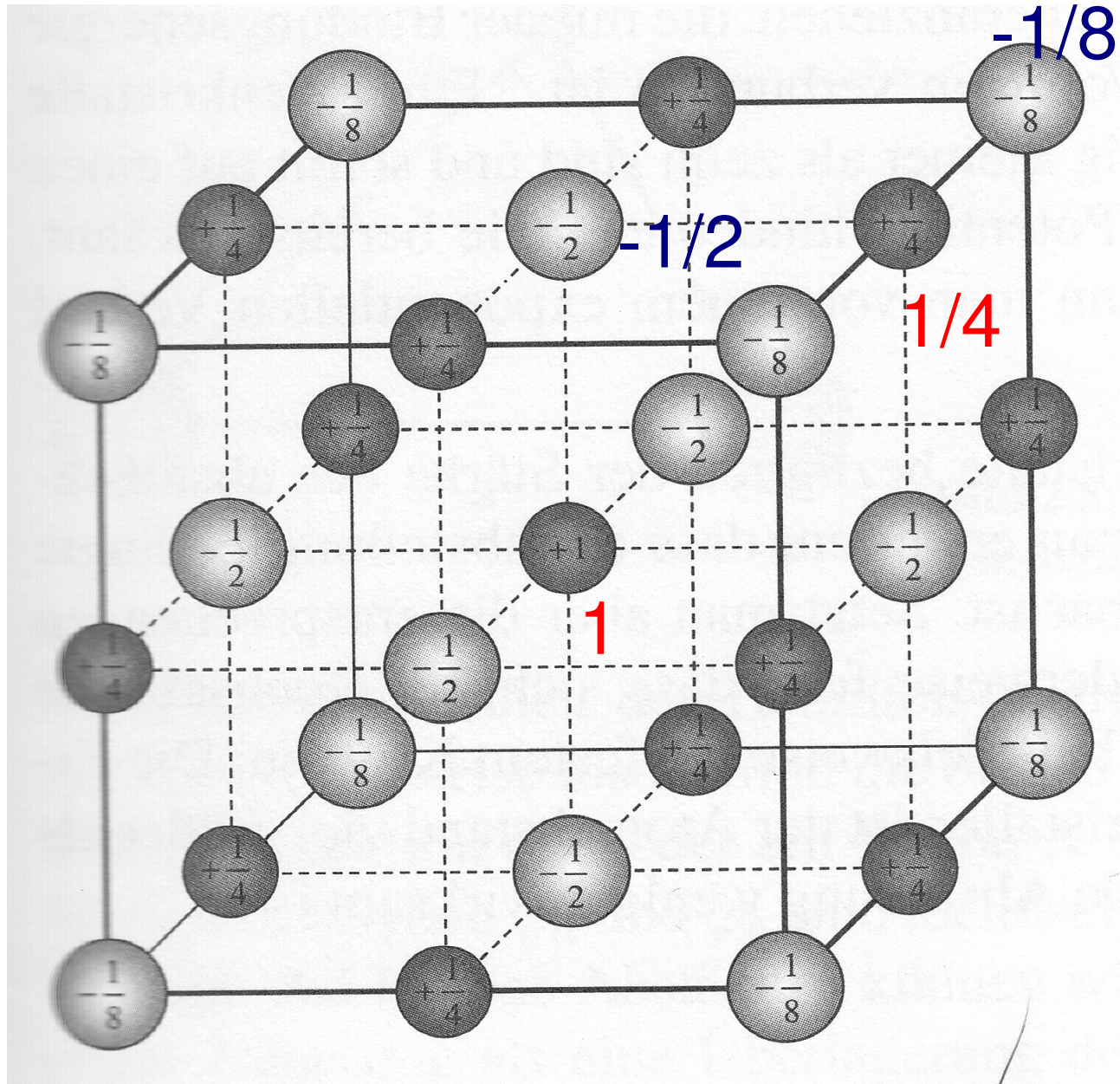
Lennard-Jones-Potential



Elektronenverteilung Kochsalz



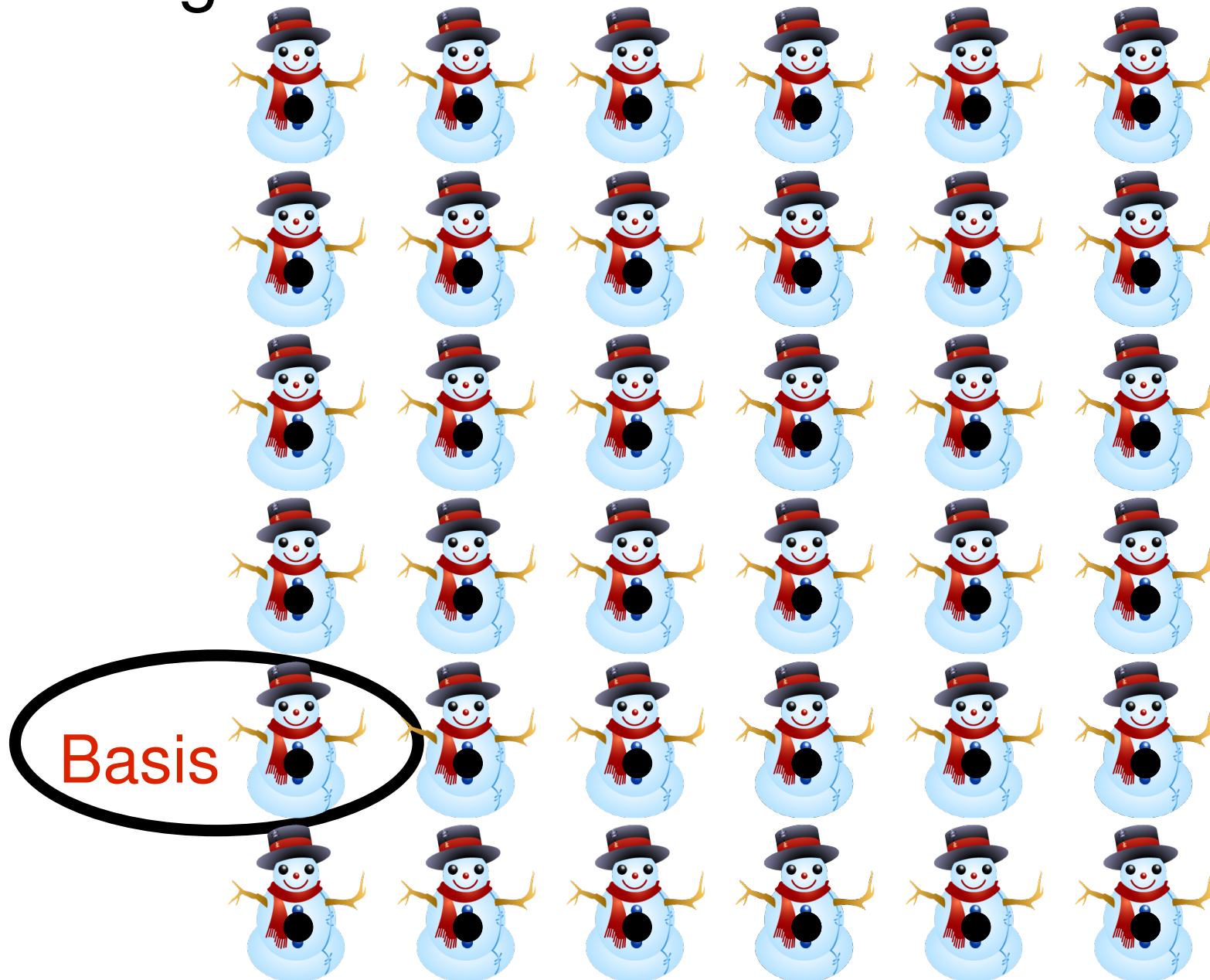
Evjen-Zelle



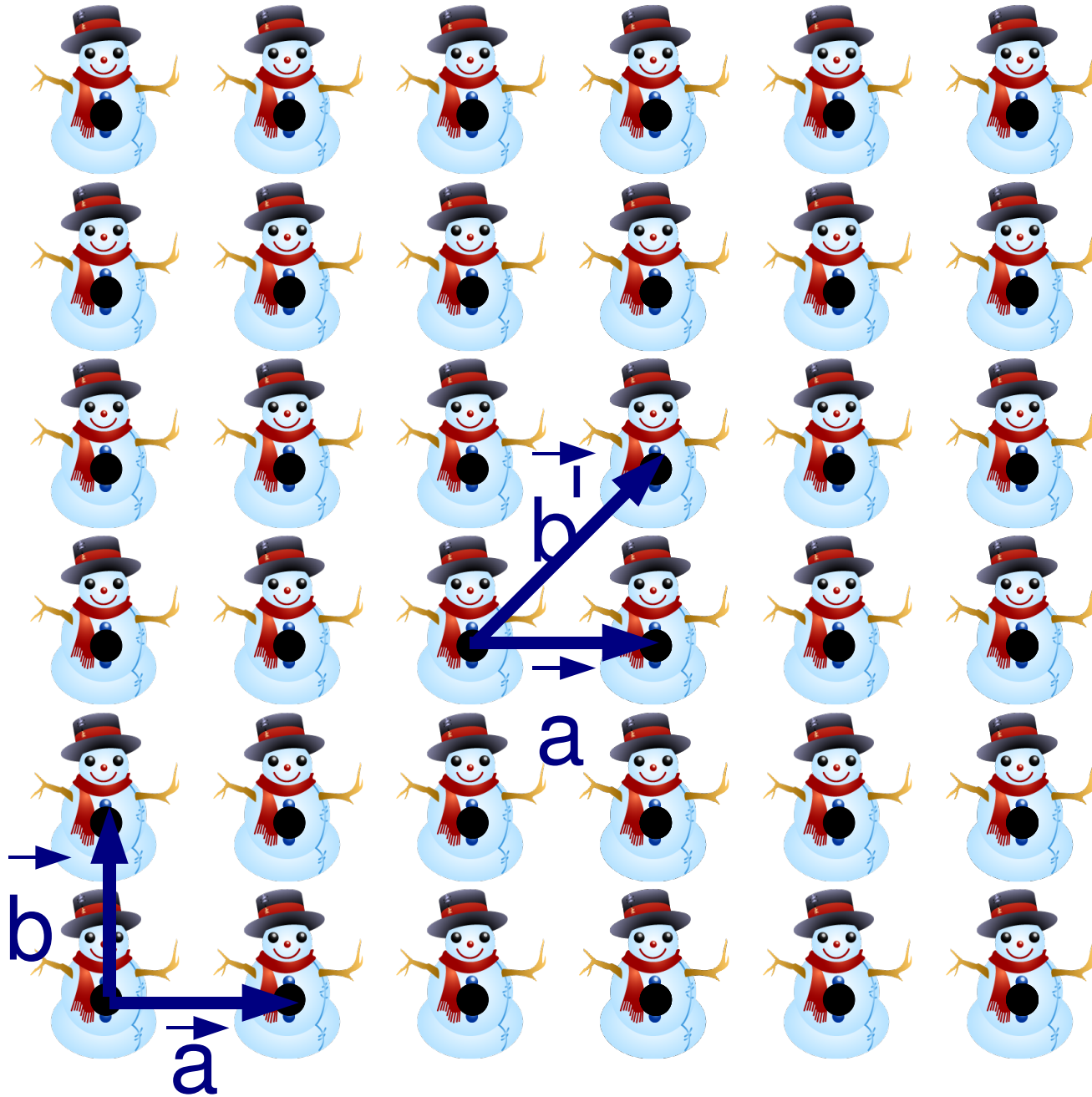
Kristallstruktur



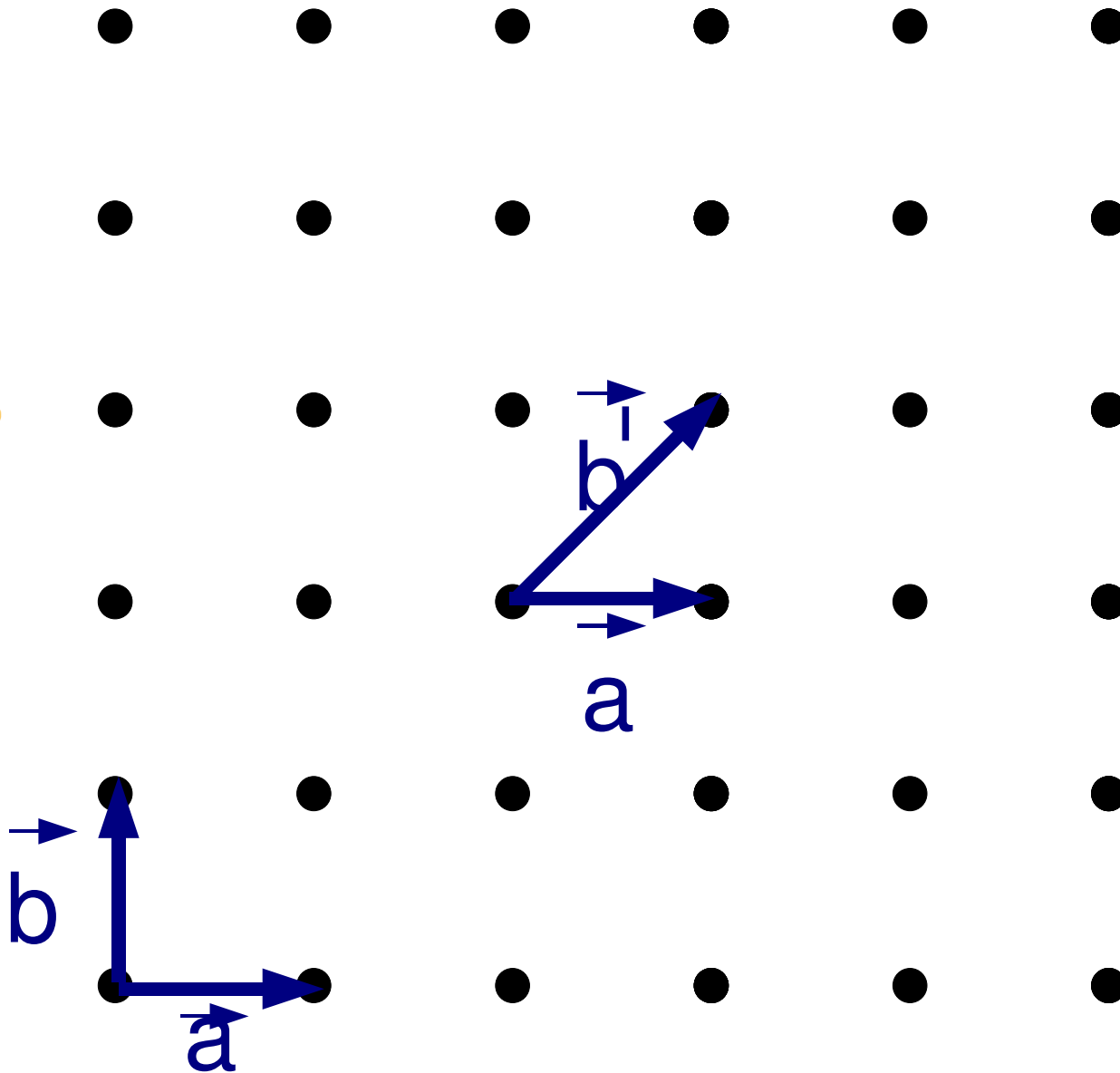
Kristallstruktur: Abstraktion – Basis und Punktgitter

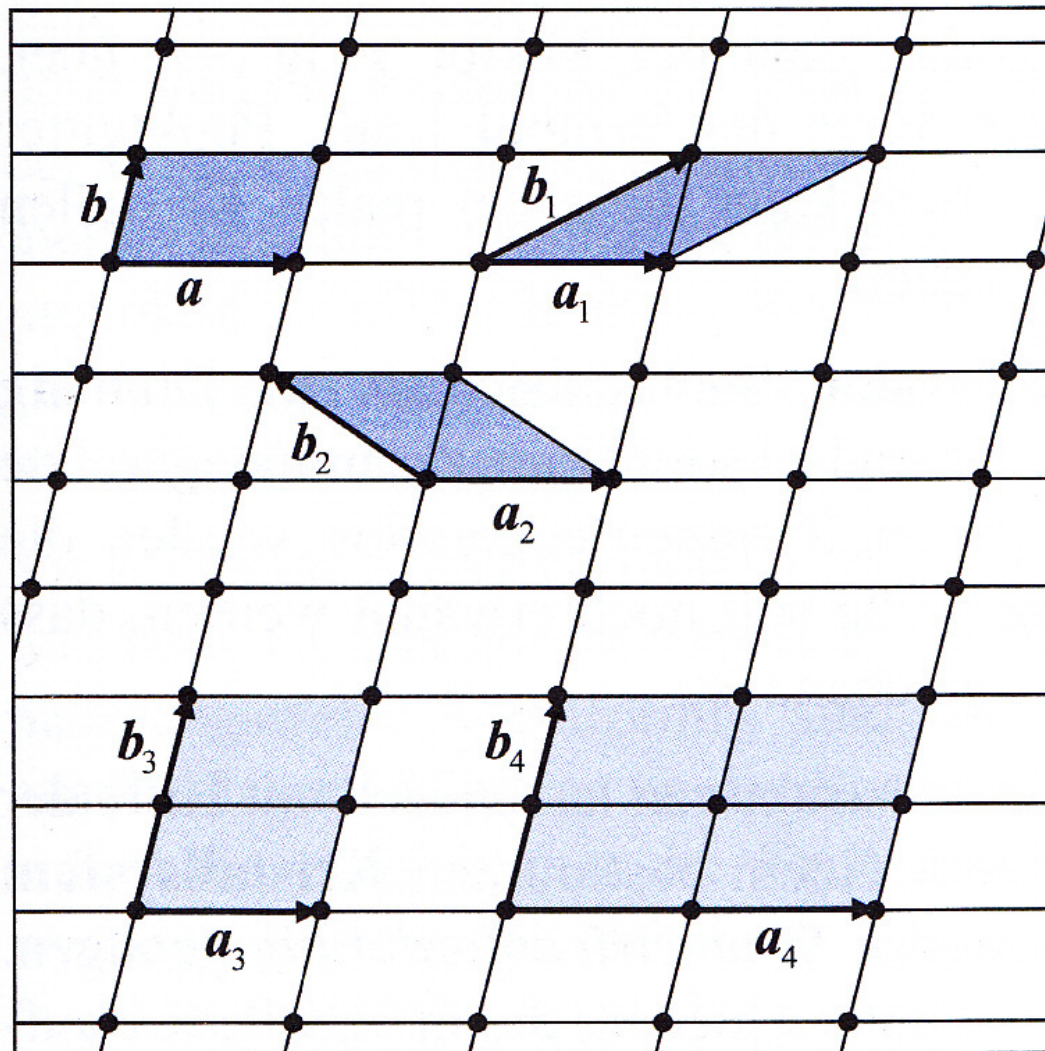


Kristallstruktur: Punktgitter – primitive Translationen

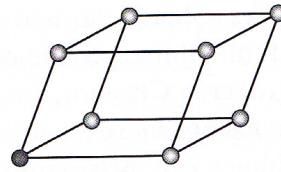


Kristallstruktur: Punktgitter – primitive Translationen

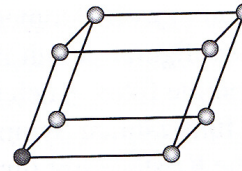




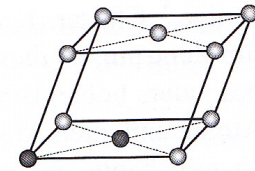
Die 14 Bravais-Gitter



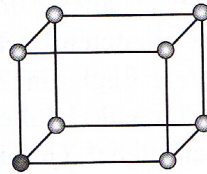
triklin



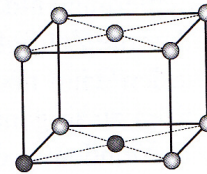
monoklin
primitiv



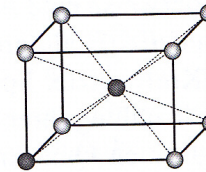
monoklin
basiszentriert



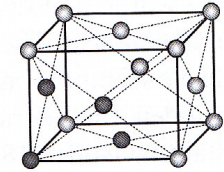
orthorhombisch
primitiv



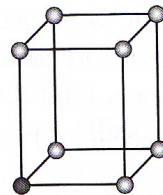
orthorhombisch
basiszentriert



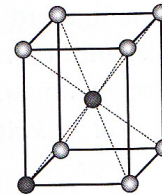
orthorhombisch
raumzentriert



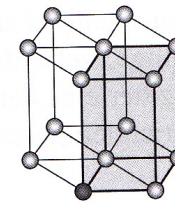
orthorhombisch
flächenzentriert



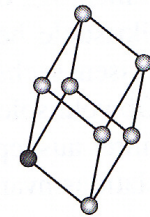
tetragonal
primitiv



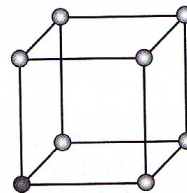
tetragonal
raumzentriert



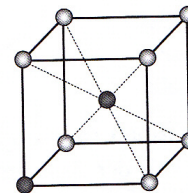
hexagonal



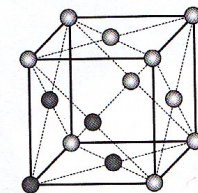
trigonal
(rhomboedrisch)



kubisch
primitiv

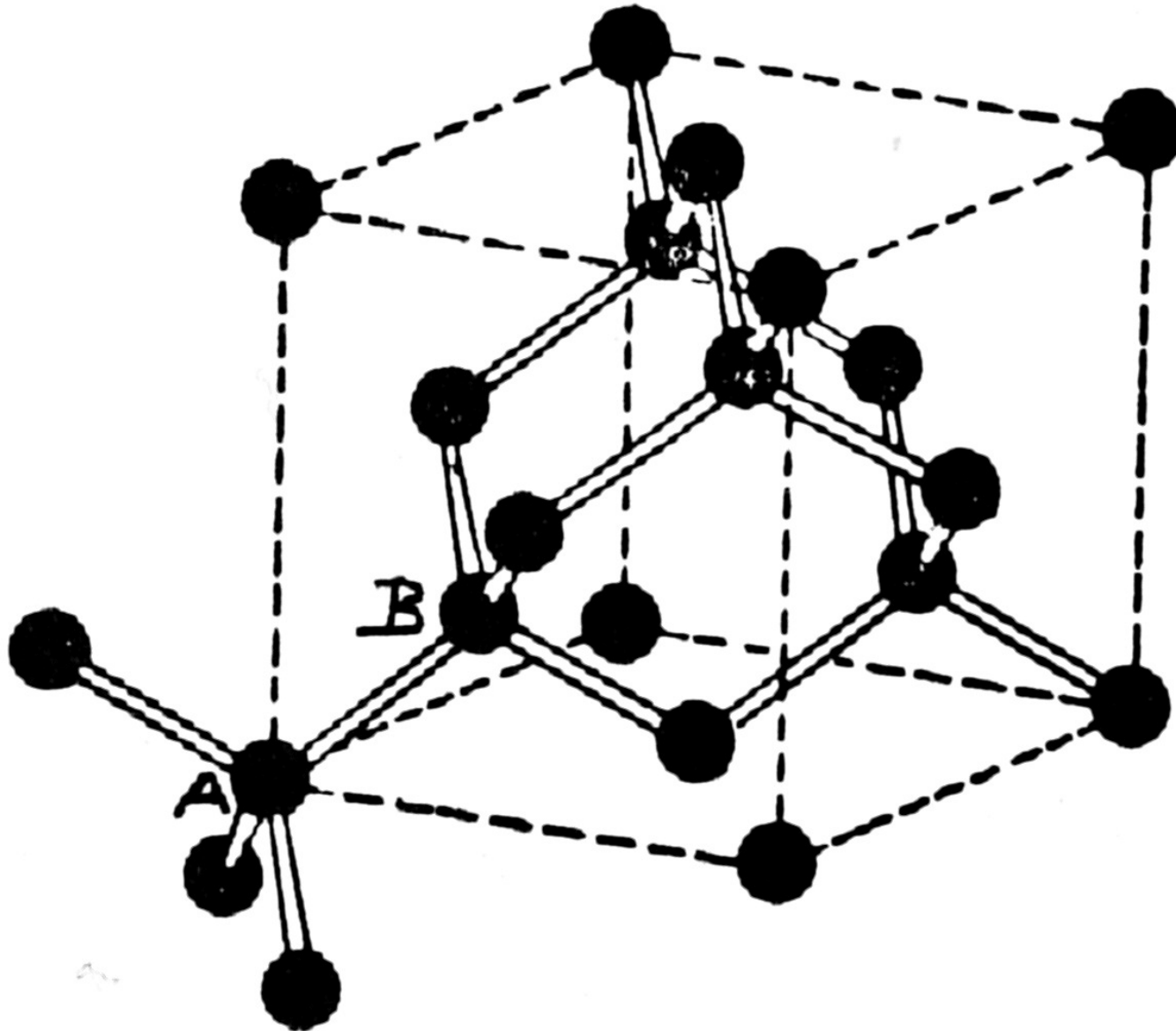


kubisch
raumzentriert

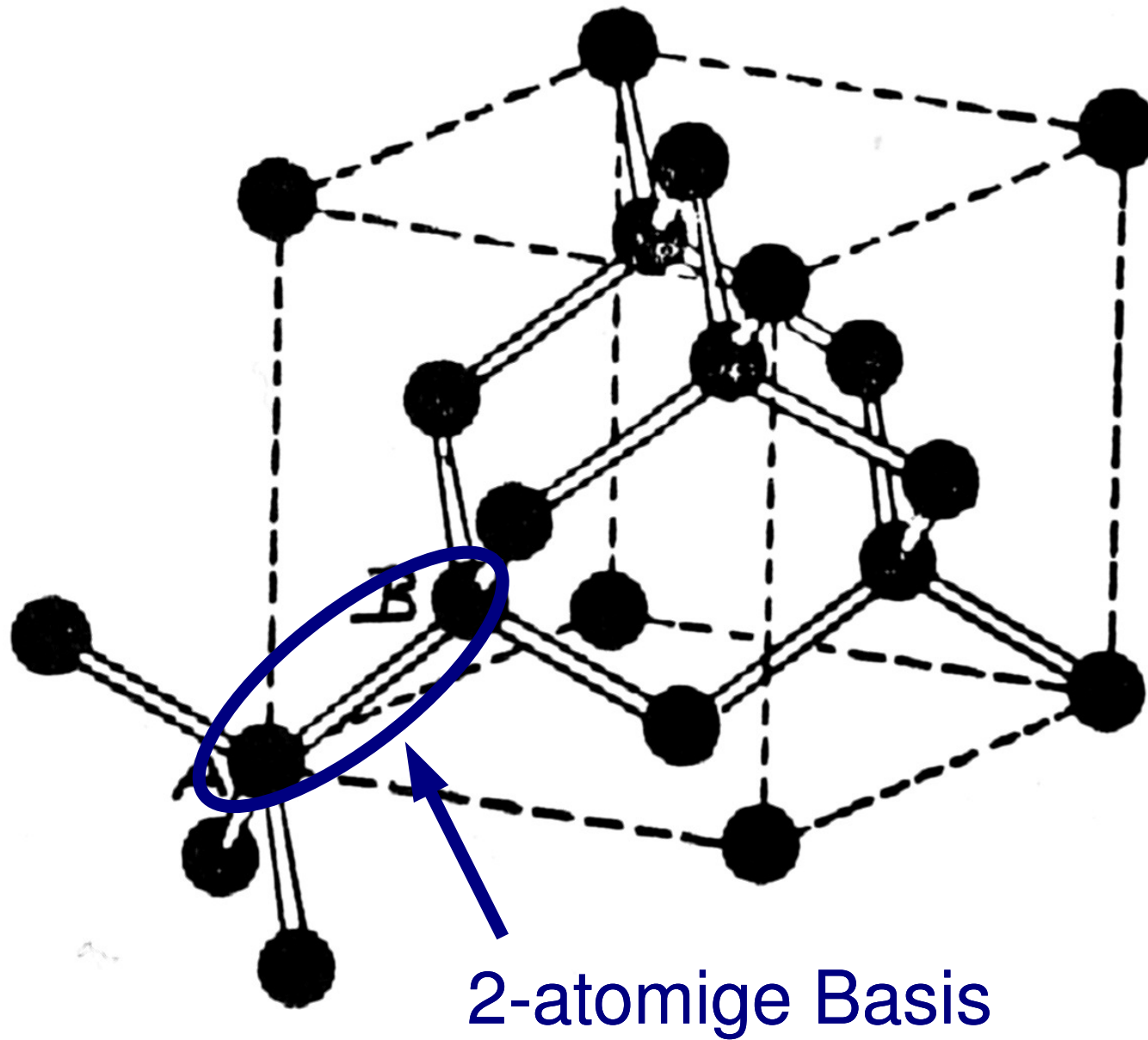


kubisch
flächenzentriert

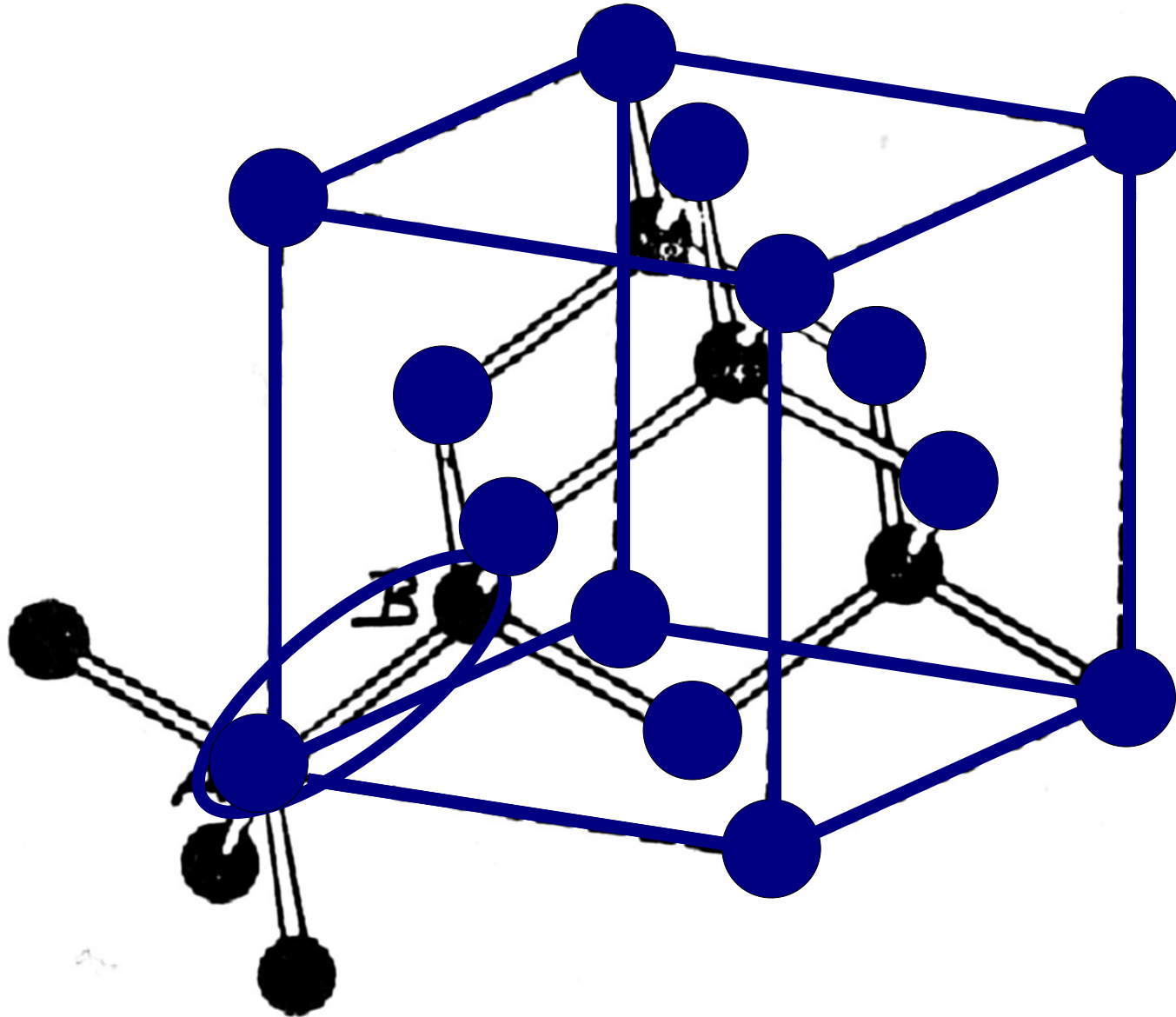
Diamantstruktur



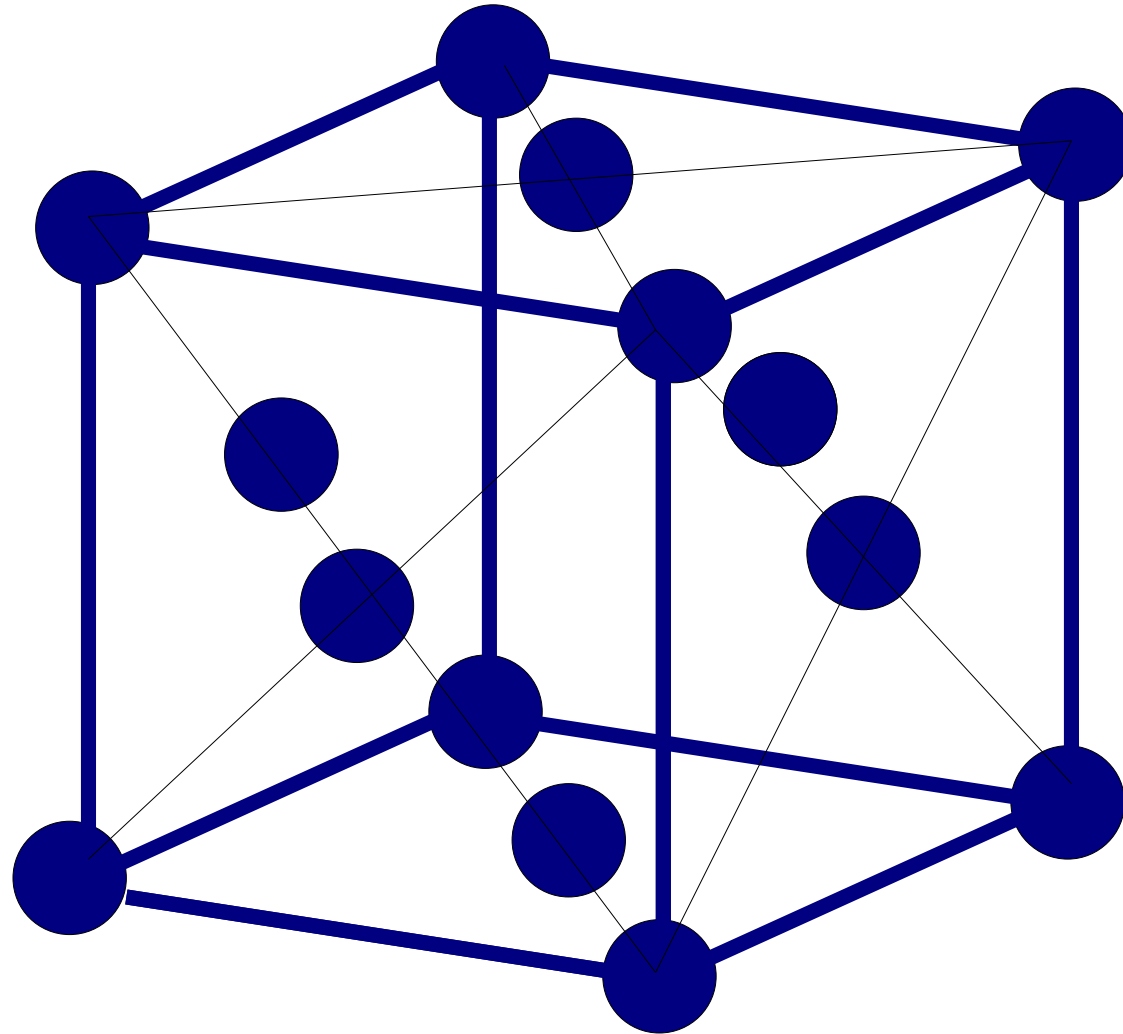
Diamantstruktur



Diamantstruktur

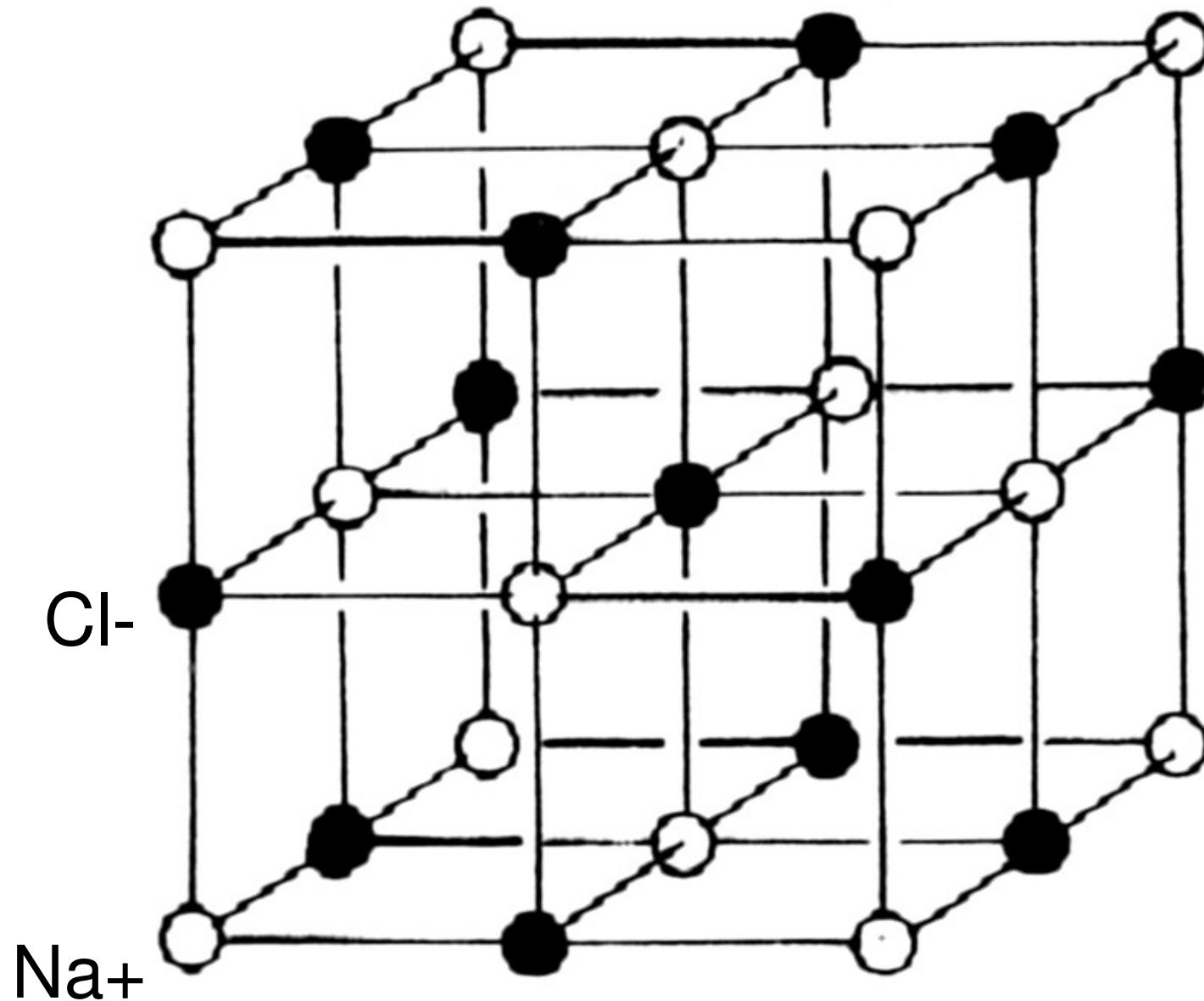


Diamantstruktur

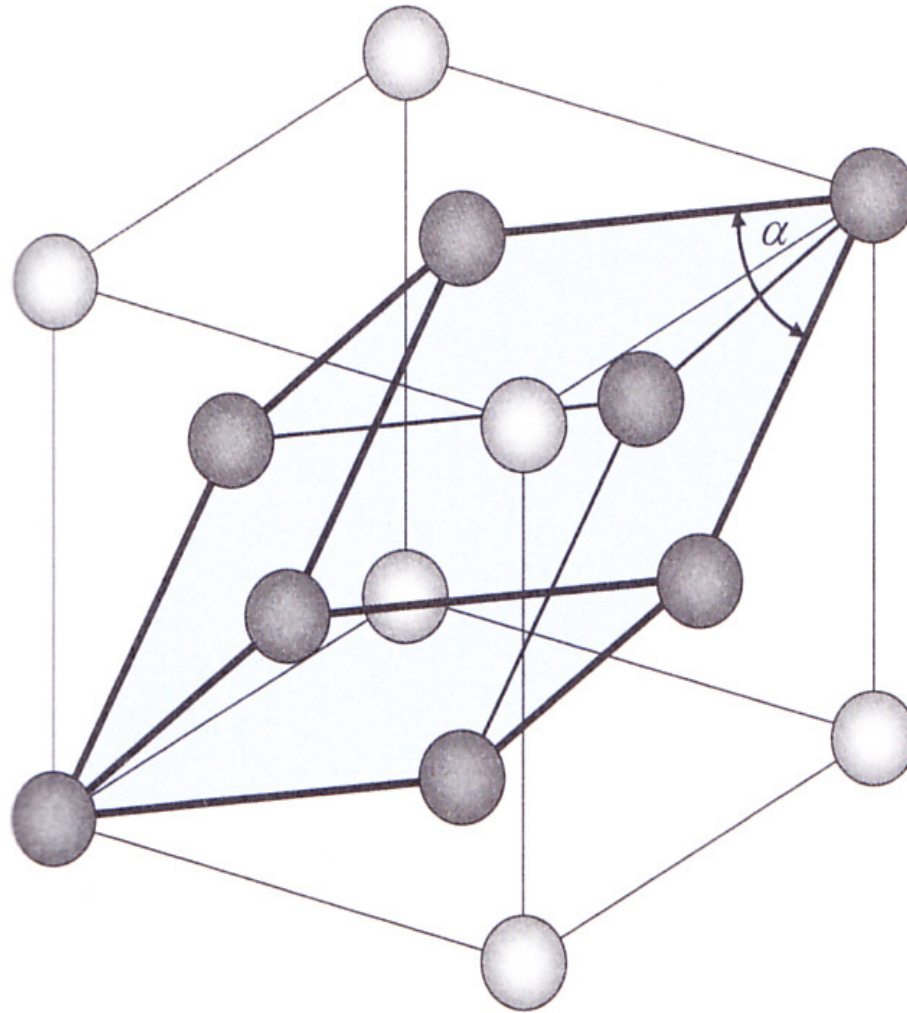


Punktgitter: kubisch flächenzentriert (fcc)

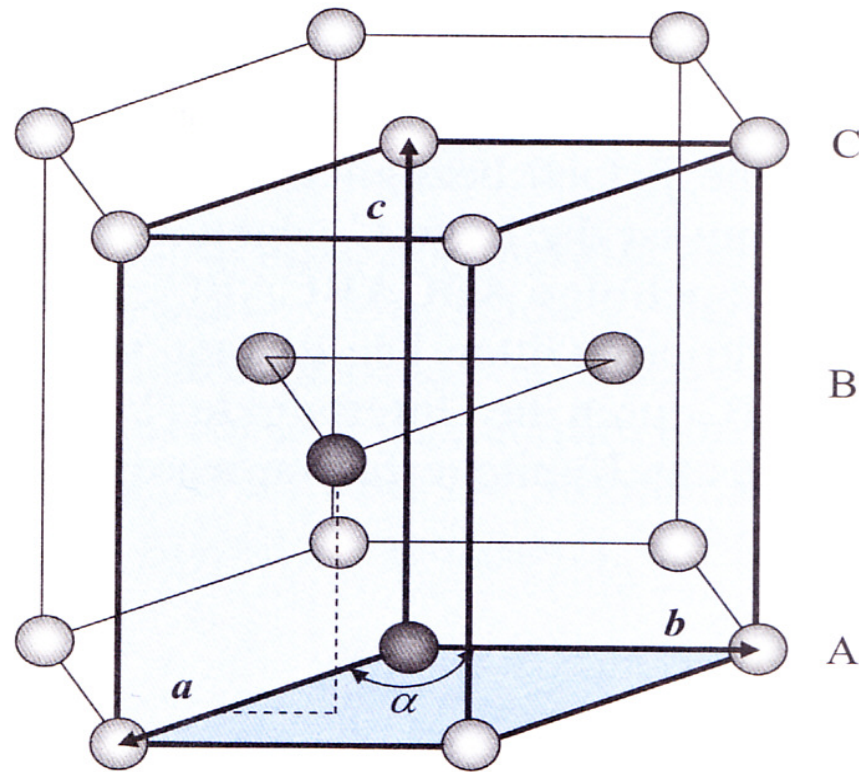
NaCl Struktur (2-atomige Basis)



fcc (kubische und primitive EZ)



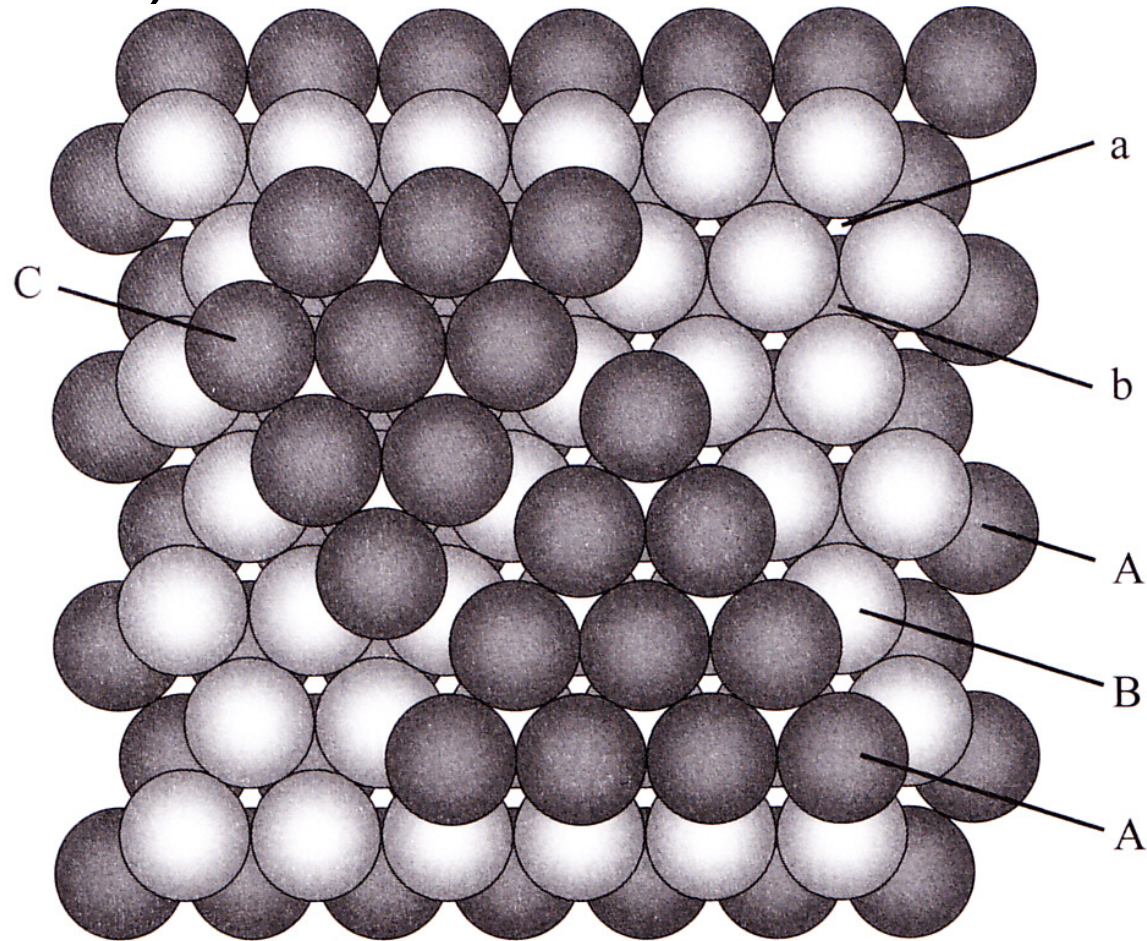
Hexagonal dicht gepackt (hcp)



„Orangestapel“: Dichteste Packungen:

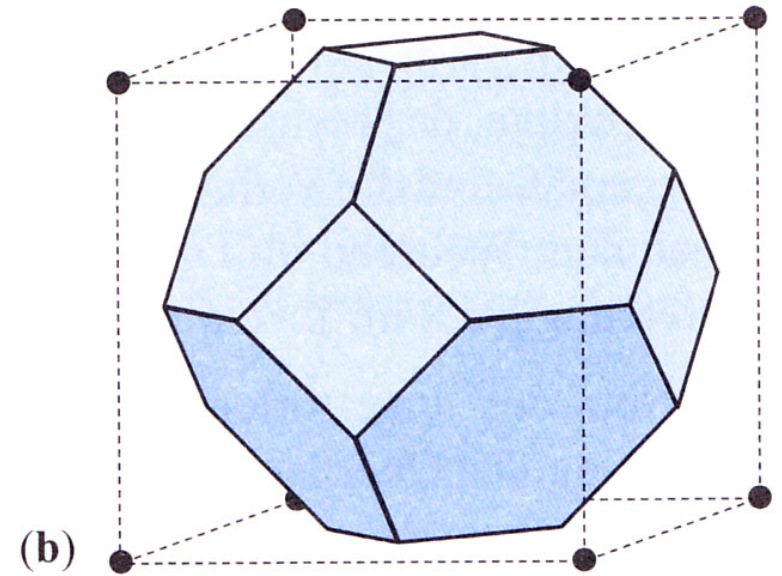
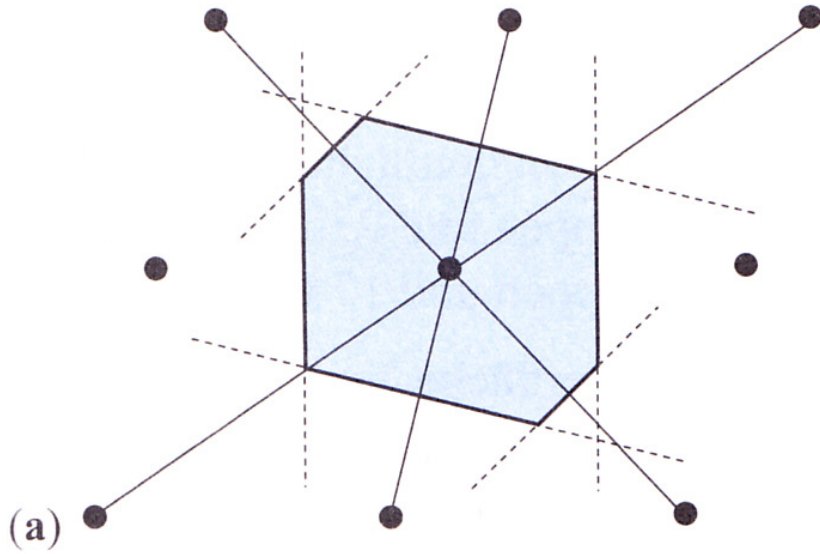
fcc (ABCABC)

hcp (ABABAB)



Packungsdichte 0,74

Wigner-Seitz-Zelle



bcc