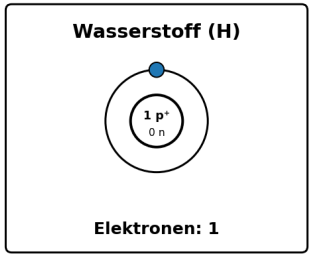
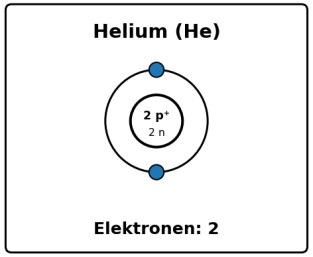
Atome der 1. bis 3. Periode – Schalenmodell

Manggers Lernmaterialien

1. Periode

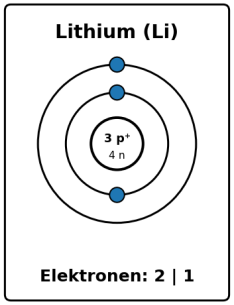
1 Schale

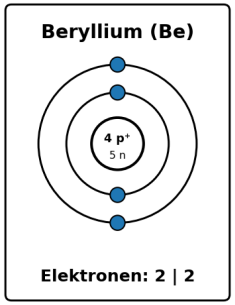


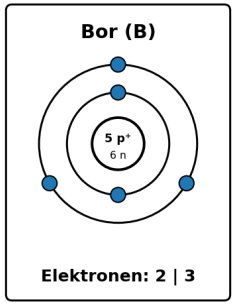


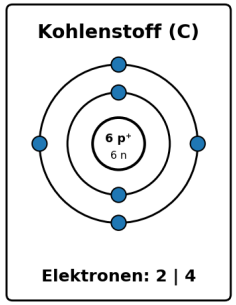
2. Periode

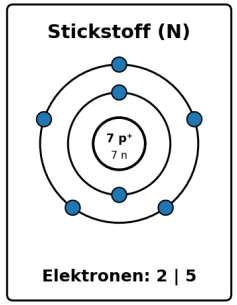
2 Schalen

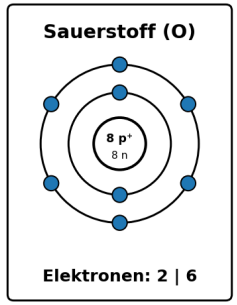


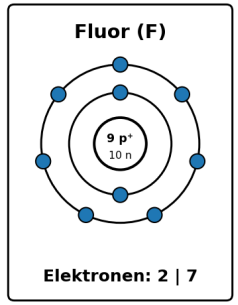


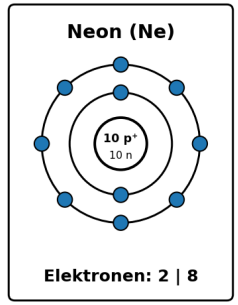






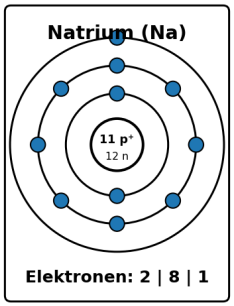


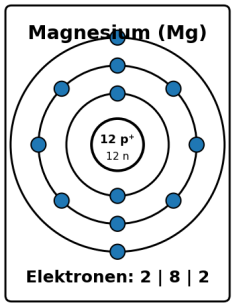


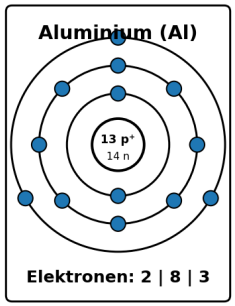


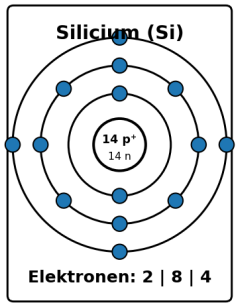
3. Periode

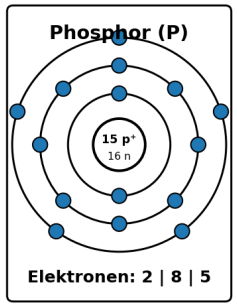
3 Schalen

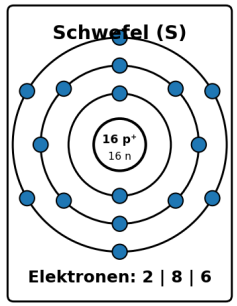


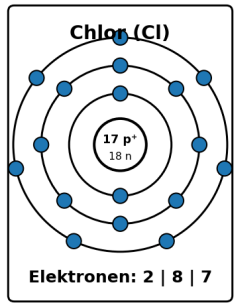


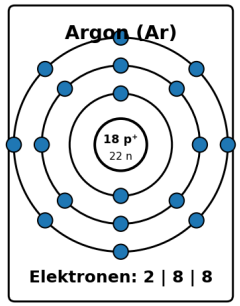












Füllregel: zuerst 1. Schale (max. 2 e⁻), danach 2. Schale (max. 8 e⁻), danach 3. Schale.

Elektronenverteilungen: H 1 · He 2 · Li 2|1 · Be 2|2 · B 2|3 · C 2|4 · N 2|5 · O 2|6 · F 2|7 · Ne 2|8 · Na 2|8|1 · Mg 2|8|2 · Al 2|8|3 · Si 2|8|4 · P 2|8|5 · S 2|8|6 · Cl 2|8|7 · Ar 2|8|8