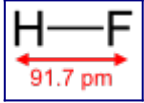

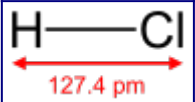
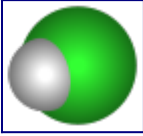
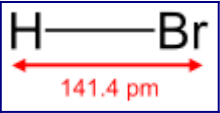
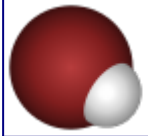
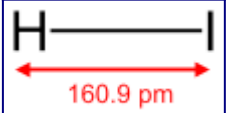
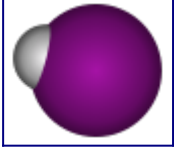


Halogenwasserstoffe im Überblick

Chemische Formel	Bindungslänge $d(\text{H-X}) / \text{pm}$ (Gasphase)	Kalotten-Modell	Dipole μ / D	pK_s	Dissziations- enthalpie	Sdp.
HF			1.86 D.	3.1	574 kJ/mol	19,5 °C
HCl			1.11 D.	-3.9	428 kJ/mol	- 85 °C
HBr			0.788 D.	-5.8	362 kJ/mol	- 66,7 °C
HI			0.382 D.	- 10.4	294 kJ/mol	- 35,4 °C

Trends und Erklärungen