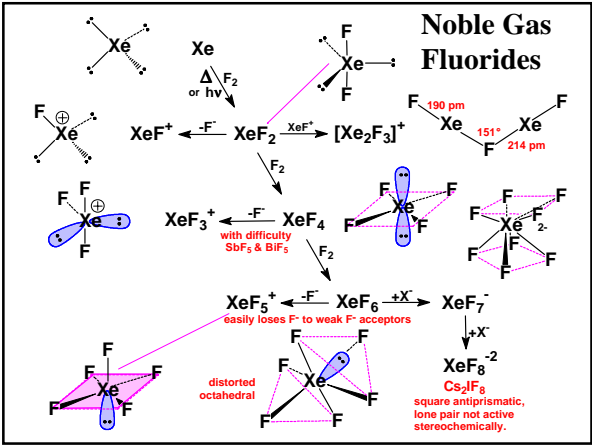
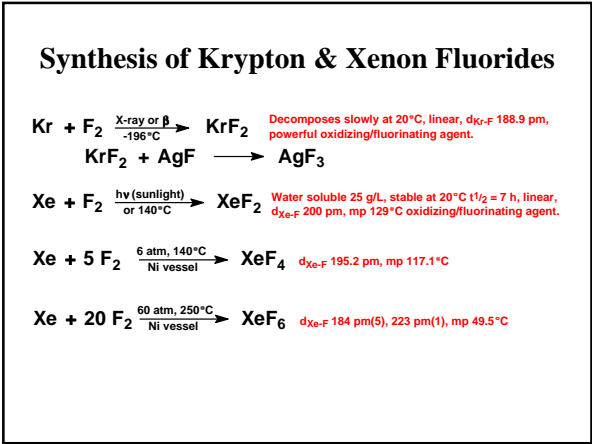
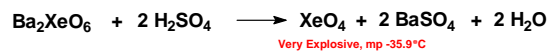
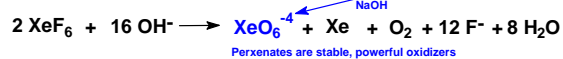
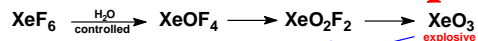
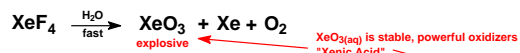
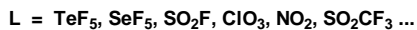
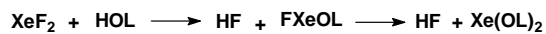


Greenwood & Earnshaw
 2nd Edition
Chapter 18
The Noble Gases
Helium, Neon, Argon, Krypton,
Xenon and Radon

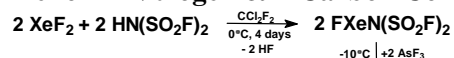




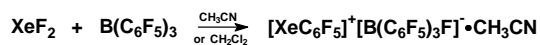
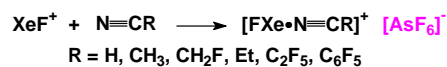
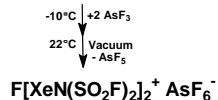
Xenon – Oxygen Chemistry



Xenon – Nitrogen & – Carbon Compounds

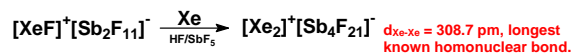


Xe[N(SO₂F)₂]₂
is also known.

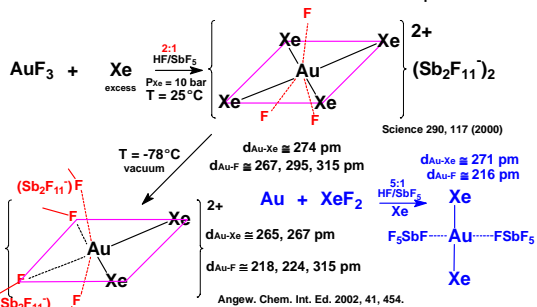
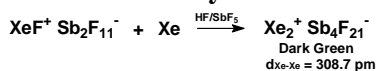


also known: $[(\text{CH}_3)_3\text{C}-\text{C}=\text{C}-\text{Xe}]^+ \text{BF}_4^-$

$d_{\text{Xe}-\text{C}} = 209.2 \text{ pm}$ $d_{\text{Xe}-\text{N}} = 268.1 \text{ pm}$
(dative bond)

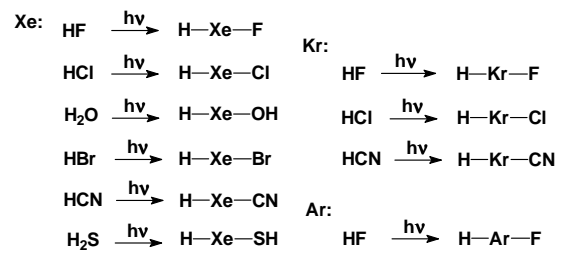


New Chemistry of Xenon



New Chemistry of the Noble Gases

Irradiation of Molecules in Noble Gas Matrices



Nature, 406, 874 (2000)
