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On fluorine and other much more reactive species

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To set the stage we start with videos showing the extreme reactivity of F_2. We then present insights into the chemical synthesis of fluorine which had long thought to be impossible. We proceed to the chemistry of the halogen fluorides and show examples of the chemistry of BrF_5, explosions and peculiar novel anions we have obtained.

We venture on to platinum hexafluoride, which is known for its enormous oxidizing power. It gained its popularity mainly due to its ability to oxidize Xe, forming the first noble gas compound "$XePtF_6$". In addition to Xe, PtF_6 is also able to oxidize various other compounds whose oxidation seemed impossible at the time.

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