Read the article and fill the gaps with appropriate words.

FLUORINE

Adapted from http://en.wikipedia.org/wiki/Fluorine

obtained	oxidized	varies	based	forms	entails	required
steel cell	stored	melts	electrolysed	layer	conductivity	
improvements						

Industrial production of fluorine in the middle temperature process **1.** the electrolysis of a solution of potassium bifluoride in hydrogen fluoride. Hydrogen fluoride **2.** for the electrolysis is mainly **3.** by treatment of fluorite with sulphuric acid. Several thousand tonnes of fluorine are produced annually. Potassium bifluoride **4.** spontaneously from potassium fluoride and the hydrogen fluoride:

 $\mathrm{HF} + \mathrm{KF} \to \mathrm{KHF}_2$