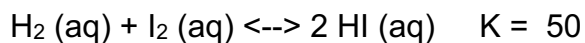


## CHEM 1032 – Week 7 Questions

1. For the following reaction what happen if it exposed to an open flame?



2. For the reaction and conditions below determine the al of the equilibrium concentrations.



	[H <sub>2</sub> ]	[I <sub>2</sub> ]	[HI]
At some point	0.0360	0.0360	0.500
Equilibrium	???	???	???

3. What is the concentration of Cl<sup>-</sup> in a saturated AgCl solution?  $K_{\text{sp}}$  is  $1.77 \times 10^{-10}$
4. What is the concentration of F<sup>-</sup> in a saturated CaF<sub>2</sub> solution?  $K_{\text{sp}}$  is  $1.46 \times 10^{-10}$
5. If AgCl solids were added to 0.100 M NaCl and if CaF<sub>2</sub> were added to 0.100 M NaCl, which equilibrium would be more affected?
6. What is the concentration of AgCl in a 0.100 M NaCl solution?