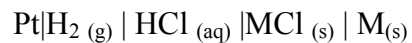


Additional Conceptual questions for Chapter 10

1) Given a cell:



initially at equilibrium with $\text{HCl} = 4 \times 10^{-5}$ molal.

Which way would the equilibrium shift if you added enough NaCl to the HCl solution to make it 0.5 molal in NaCl?

2) Which of these solutions will deviate more from the predictions of the Debye-Huckel limiting law:

- a) 0.1 molal CsI or 0.1 molal NaF ?
- b) 0.1 molal NaF or 0.1 molal MgF_2 ?