

- Calculate the molar solubility of  $\text{Fe}(\text{OH})_3$  in a  $\text{pH} = 5.0$  buffer solution.  
The solubility product constant of  $\text{Fe}(\text{OH})_3$  is  $4 \times 10^{-38} \text{ M}^4$ .

**Marks**  
**2**

Answer: