

3. Find the maximum possible $[\text{IO}_3^-]$ in a solution in which $[\text{Pb}^{2+}] = 3.0 \times 10^{-4} \text{ M}$.
4. If $0.20 \text{ M Na}_2\text{CO}_3$ solution is added slowly to a mixture of $0.010 \text{ M Ba}(\text{NO}_3)_2$ and 0.010 M AgNO_3 , which precipitate would form first. Show all calculations in a logical way.