Question 1:

If a precipitate forms when BaCl2 solution is added to a solution of your unknown, which anion is indicated to be present in the unknown?

1. Cl-
2. NO3-
3. C2H3O2-
4. SO4 2-

Please explain how you arrived at your answer. Thank you.

Question 2:

You smell ammonia when NaOH solution is added to a solution of your unknown. Which of the following compounds might your unknown be?

1. NH4Cl
2. NasSO4
3. KCl
4. Ca(NO3)2

Please explain how you arrived at your answer. Thank you.