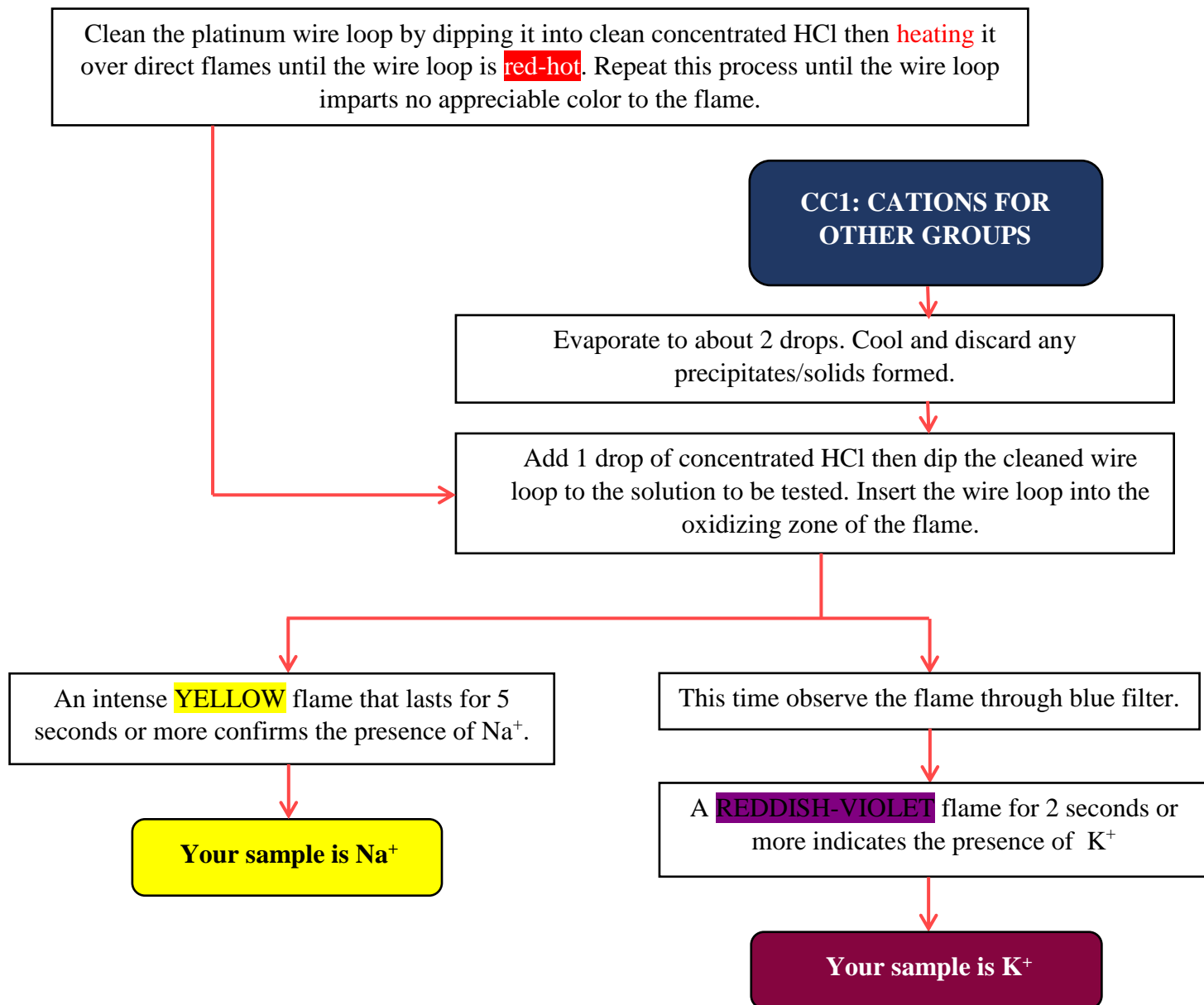


Na⁺ and K⁺ FLAME TEST FLOWCHART



NH₄⁺ TEST FLOWCHART

**ORIGINAL SOLUTION:
SOURCE OF CATIONS**

Place 10 drops of this solution in an evaporating dish. Make it alkaline with 6 M NaOH, then add 2 more drops.

On the underside of a watchglass, attach a wet red litmus paper then use that watchglass to cover the dish. Warm the solution but do not boil.

A uniform (not spotted) change from red to blue color of the litmus paper verifies the presence of NH₄⁺

Your sample is NH₄⁺