

Anions, Cations, and Ionic Reactions

Hands-On Labs, Inc.

Version 42-0304-00-01

Lab Report Assistant

This document is not meant to be a substitute for a formal laboratory report. The Lab Report Assistant is simply a summary of the experiment's questions, diagrams if needed, and data tables that should be addressed in a formal lab report. The intent is to facilitate students' writing of lab reports by providing this information in an editable file which can be sent to an instructor.

Exercise 1: Qualitative Anion Tests

Data Table 1. Anion Confirmation Tests.

Chemical	Anion	Observations: Addition of AgNO_3	Observations: Addition of HCl
NaBr	Bromide	Turned milky white	Turned yellowish More of a gel
Na_2CO_3	Carbonate	Thick white glob A little grainy	White sediment in a clear liquid Bubbles up
NaCl	Chloride	Milky white	White sediment visible
NaI	Iodide	Yellow glob immediately when dropped in	Yellow, grainy/sediment, thick looking
Na_2SO_4	Sulfate	Thickened	Very cloudy/milky
Na_2S	Sulfide	Brown Globbs immediately when dropped in Still watery	Brown globbs thinned out into brown pieces of sediment Still watery (brownish) looks like dirty water
Unknown #103	Carbonate	Thick white glob Turned gel	Bubbly and cloudy Very thick gel
Unknown #104	Sulfide	Brown globbs immediately when dropped in Still watery	Brown globbs thinned out into brown pieces of sediment Still watery (brownish) looks like dirty water

Analysis Of Anions Cations Lab Answers

Hussin A.Rothana



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