

# Anions, Cations, and Ionic Reactions

Hands-On Labs, Inc.

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## 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 $\text{AgNO}_3$	Observations: Addition of $\text{HCl}$
$\text{NaBr}$	Bromide	Turned milky white	Turned yellowish More of a gel
$\text{Na}_2\text{CO}_3$	Carbonate	Thick white glob A little grainy	White sediment in a clear liquid Bubbles up
$\text{NaCl}$	Chloride	Milky white	White sediment visible
$\text{NaI}$	Iodide	Yellow glob immediately when dropped in	Yellow, grainy/sediment, thick looking
$\text{Na}_2\text{SO}_4$	Sulfate	Thickened	Very cloudy/milky
$\text{Na}_2\text{S}$	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

# Sample Lab Report For Reactions Of Anions

**CH Cherryholmes**



## Sample Lab Report For Reactions Of Anions:

*Walnut Production Manual* David E. Ramos,1997-10-01      A Laboratory Program for General Chemistry Joshua Romine Morton,Donald Roop Clippinger,Lawrence Powell Eblin,1944      *Scientific and Technical Aerospace Reports* ,1995  
*Selected Water Resources Abstracts* ,1973-04      *U.S. Government Research & Development Reports* ,1966-11      A Selected Listing of NASA Scientific and Technical Reports for ... United States. National Aeronautics and Space Administration. Scientific and Technical Information Division,1964      *The Essential Lab Manual* Karen Timberlake,2002-06-24 Drawing from the successful main Laboratory Manual the Essential Laboratory Manual includes twenty one experiments which have been revised and updated Suitable for a one or two term lab course      **Prune Production Manual** Richard P. Buchner,2012-05-16 Written in easy to read non technical language this manual is the perfect field application guide Inside you ll find the professionalism expertise and science based answers you ve come to expect from the University of California with contributions from more than 40 Cooperative Extension professionals UC faculty USDA scientists and highly skilled prune industry experts Chapters include An industry overview A detailed description of prune biology Information on understanding soils varieties irrigation and fertilization Pest management techniques A lesson on harvest and postharvest management The breadth of expertise and knowledge contained in the 320 pages of this manual along with the more than 300 photos and 56 color illustrations make this one of the most comprehensive prune production manuals in the world      **Science in China** ,2006      **Practical Forensic Microscopy** Barbara P. Wheeler,2021-03-08 An applied approach to teaching forensic microscopy in educational settings featuring new experiments and an up to date overview of the field Practical Forensic Microscopy A Laboratory Manual 2nd Edition is a unique resource that brings the microscopic procedures used by real world forensic investigators to the college laboratory providing hands on knowledge of the microscopes and microscopic techniques used in the field Presenting a balanced skills based approach to the subject this student friendly lab manual contains dozens of experiments designed to cover the various microscopic evidence disciplines including examinations of fingerprints firearm toolmark shoeprint and tire impressions gunshots fibers soil glass breakage drugs semen and human hair The second edition includes revised and updated experiments that reflect current technologies and techniques used in forensic science including new experiments examining plastic film food condiments feathers building materials explosive residue cigarette butts and more Each chapter includes a list of simple objectives for the experiment a general overview of the topic further readings and selected references The manual contains worksheets and templates for students to use when compiling analytical results The concluding chapter features an innovative case scenario that requires students to analyze items of evidence complete a laboratory report reach a conclusion and present their findings This popular lab manual Teaches practical forensic microscopy skills through hands on experiments and engaging practical activities Covers a wide range of microscopes and forensic tools including

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