Halide Ions Lab		Name			
Purpose: To iden	tify the halogen ic	ons (halides): F-, C	l ⁻ , Br ⁻ , I ⁻		
Procedure: Gogg	les and aprons m	ust be worn!			
squirt) of 2. Clean out each of th 3. Pour half of NH ₃ ar the result 4. Clean out Add 5 mL bleach (N data table	Ca(NO ₃) ₂ to each the test tubes and of the test tubes and of the test tubes and of the test the results. The test tubes are the solution of 3% starch solution	of the test tubes and place 5 mL of KF record your observes into 4 more cleater. Into the other observes. Keep only 4 ction to each test to	and record your, NaCl, KBr, and vations. Do not an test tubes. I set of test tube out and add 1 nube and record	Il, KBr, and Nal in ear observations in the Nal in each. Add it empty your test the Into one set of test es, add 5 mL of NazmL KF, NaCl, KBr, are your results, then will have two obse	ne data table. 1 mL of AgNO ₃ to ubes! tubes, add 5 mL S ₂ O ₃ and record ad NaI in each. add just a drop of
Data Table:	0 (110)				
Halide Ion	Ca(NO ₃) ₂	AgNO ₃	NH ₃	$Na_2S_2O_3$	Starch + NaClC
F ⁻					
Cl ⁻					
Br⁻					
l-					
Analysis: 1. From the	e results of the da	ta table, how can	each of the ha	logen ions be ident	tified?

Br⁻_____

l⁻______

Identity of Unknowns: