

WEDNESDAY, NOVEMBER 16, 2022 CHEMISTRY-3

LAB: CLASSIFICATION OF MATTER

PHYSICAL CHANGES

CHANGES WHICH DO NOT ALTER THE CHEMICAL COMPOSITION OF A MATERIAL.

(GRINDING TO A POWDER, TEAR SOMETHING UP)

PHASE CHANGES

DISSOLVING IN A SOLVENT (USUALLY WATER)

PHASES ARE SYMBOLIZED USING (s) (l) (g) (aq)

aq = AQUEOUS, MEANING, DISSOLVED IN WATER

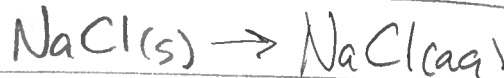
DESCRIPTIONS

CHEMICAL EQUATIONS

MELTING WATER



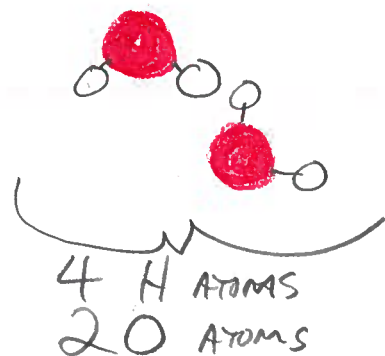
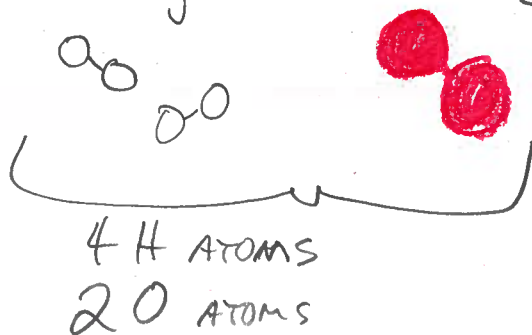
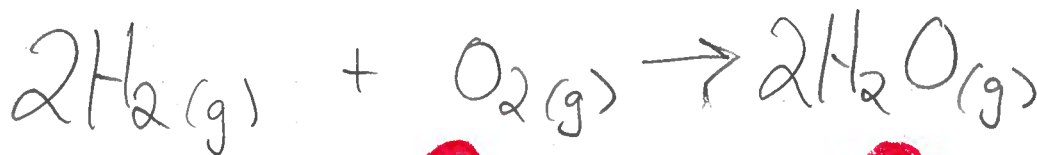
DISSOLVING SALT




CHEMICAL CHANGES

CHANGES WHICH RESULT IN A TRANSFORMATION OF SUBSTANCES.


FOR EXAMPLE: HYDROGEN COMBINES WITH OXYGEN TO MAKE WATER VAPOR




COLOR CODE

H
HYDROGEN


Cl
CHLORINE


O
OXYGEN


K
POTASSIUM


Na
SODIUM


C
CARBON


Br
BROMINE

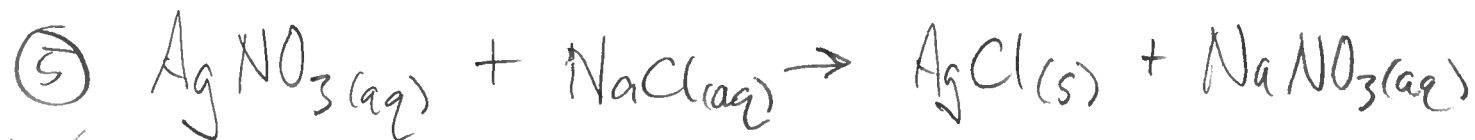
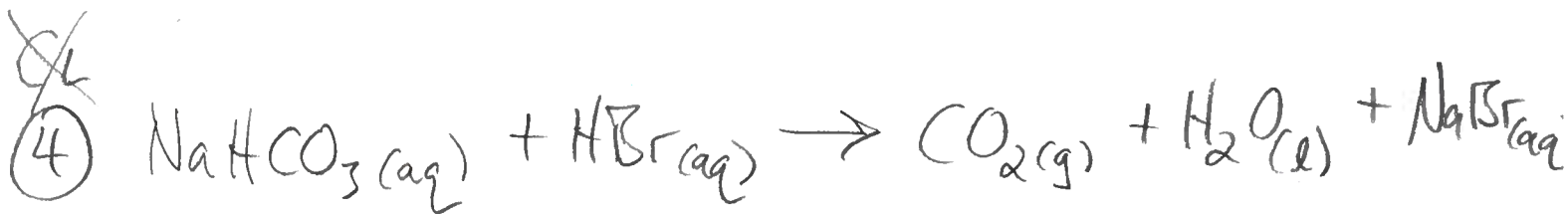
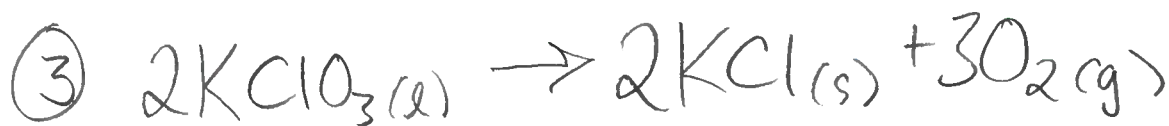
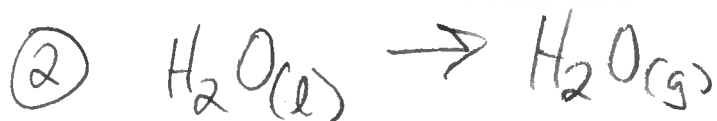
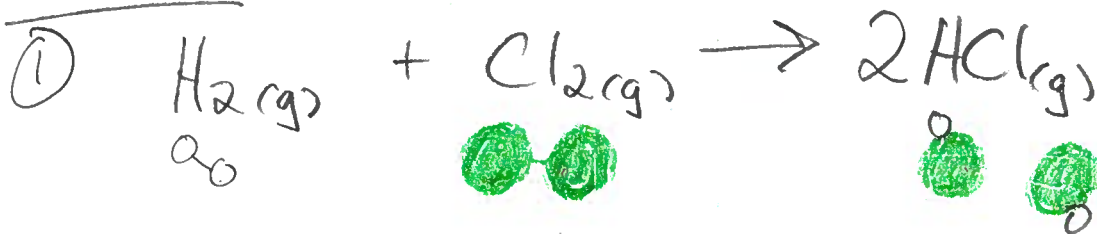

Ag
SILVER


N
NITROGEN


S
SULFUR


Cu
COPPER

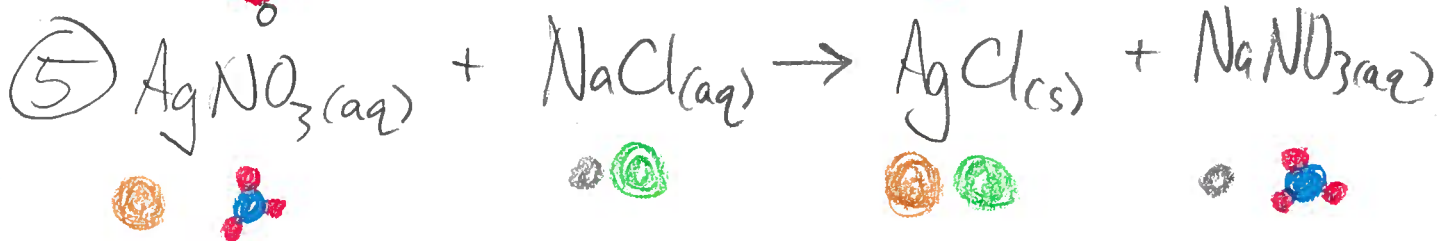
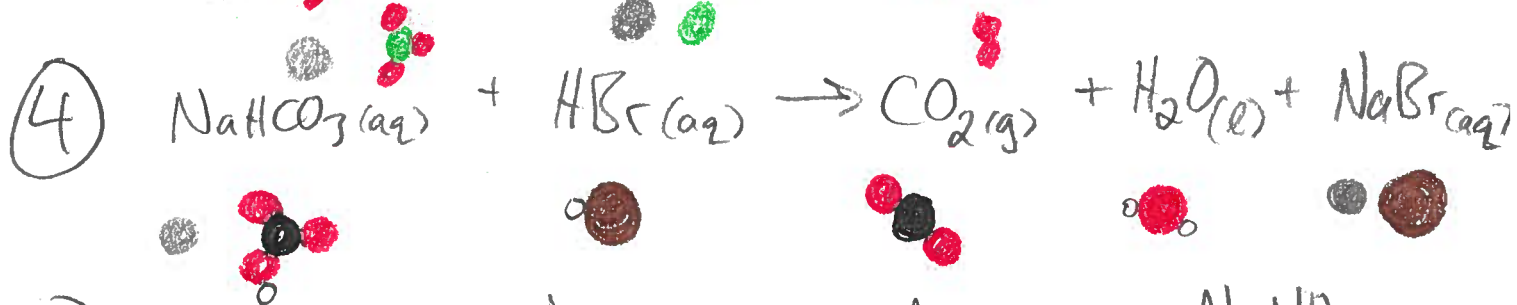
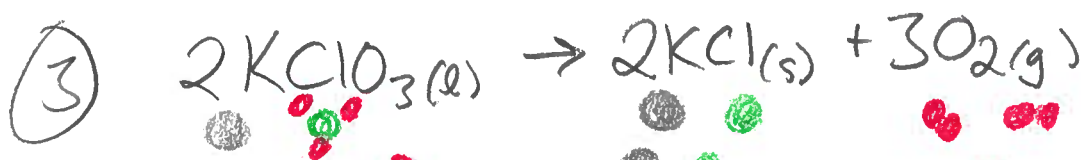
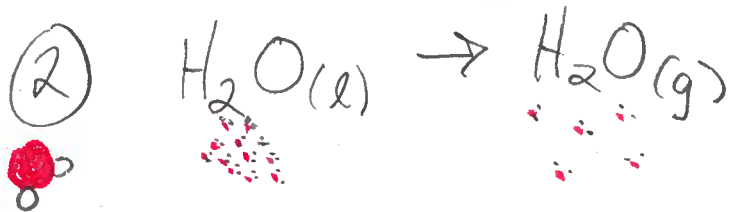
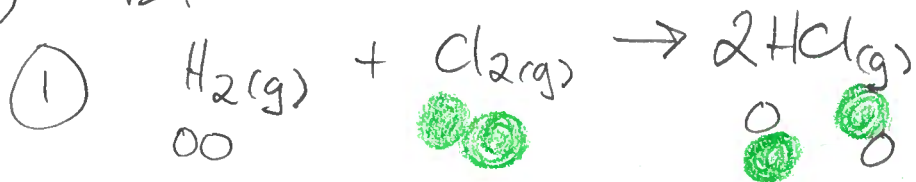

PRE-LAB



~~AG~~
⑥ DRAWINGS...

(6) : DRAWINGS

W 2022-11-16



CLASSIFICATION OF MATTER LAB

H_2 HYDROGEN O-O HCl HYDROGEN CHLORIDE O-Cl	Cl_2 CHLORINE Cl-Cl	$KClO_3$ POTASSIUM CHLORATE K-O-O-Cl	KCl POTASSIUM CHLORIDE K-Cl	$NaHCO_3$ SODIUM HYDROGEN CARBONATE Na-H-C-O-O	HBr HYDROBROMIC ACID H-Br
CO_2 CARBON DIOXIDE C-O-O H_2O WATER H-O-H $NaBr$ SODIUM BROMIDE Na-Br	$AgNO_3$ SILVER NITRATE Ag-N-O-O	$NaCl$ SODIUM CHLORIDE Na-Cl	$AgCl$ SILVER CHLORIDE Ag-Cl	$NaNO_3$ SODIUM NITRATE Na-N-O-O	
$CaCO_3$ CALCIUM CARBONATE Ca-C-O-O	$CaCl_2$ CALCIUM CHLORIDE Ca-Cl-Cl	H_2O_2 HYDROGEN PEROXIDE H-O-O-H	H_2O WATER H-O-H	Na_2CO_3 SODIUM CARBONATE Na-Na-C-O-O	
$CuSO_4$ COPPER(II)SULFATE Cu-S-O-O	$CuCO_3$ COPPER(II) CARBONATE Cu-C-O-O	Na_2SO_4 SODIUM SULFATE Na-Na-S-O-O			

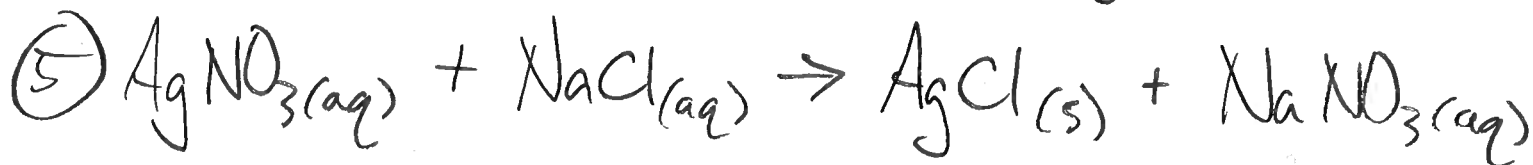
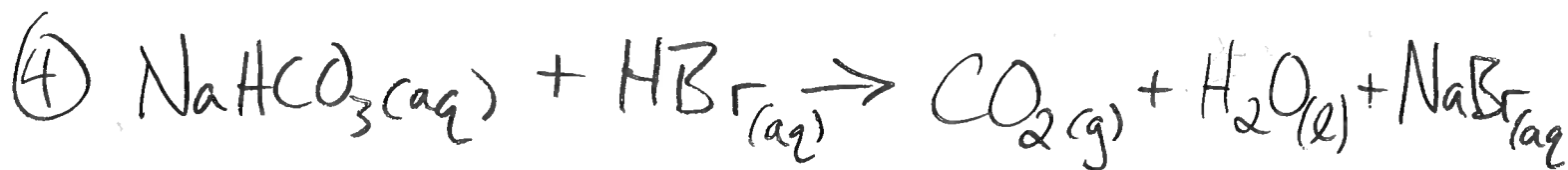
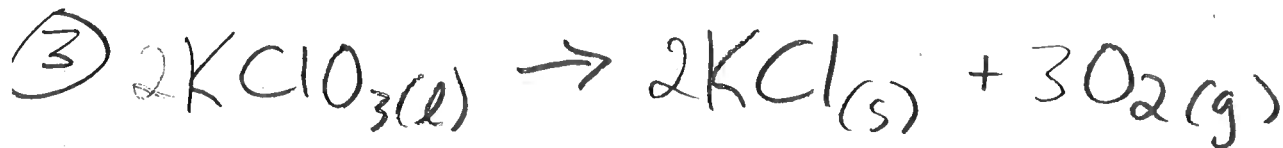
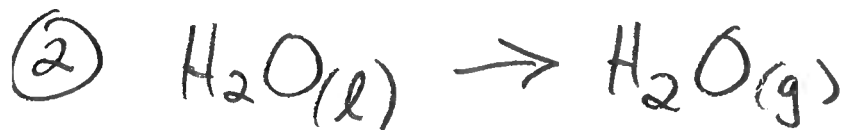
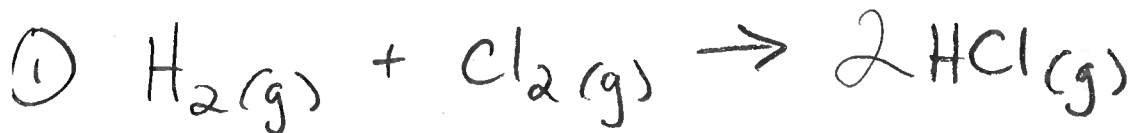
PRE-LAB EQUATIONS

(s) SOLID

(l) LIQUID

(g) GAS

(aq) AQUEOUS



LAB EQUATIONS

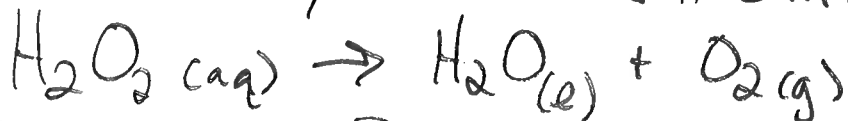
LAB STATION I ICE MELTING



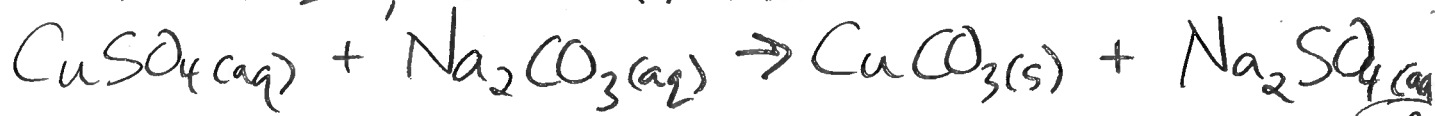
LAB STATION II, GENERATING A GAS



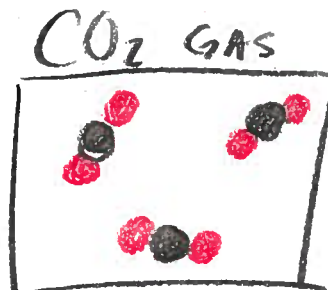
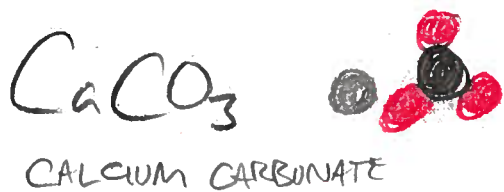
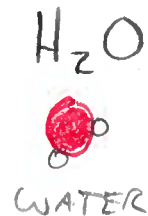
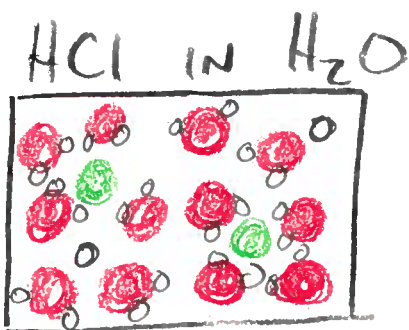
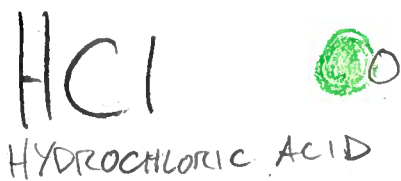
LAB STATION III, GENERATING A DIFFERENT GAS



LAB STATION IV, PRECIPITATION



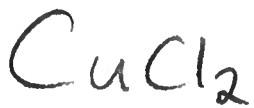
LAB STATION II



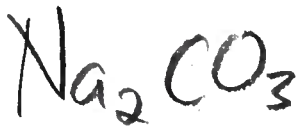
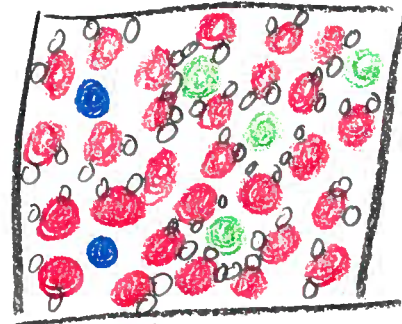
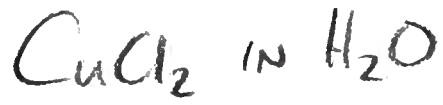
LAB STATION III



LAB STATION IV



COPPER(II) CHLORIDE



SODIUM CARBONATE

