



COLEGIO NACIONES UNIDAS I.E.D.

PEI: FORMACIÓN INTEGRAL DE LÍDERES EMPRENDEDORES COMPETENTES, CON PRINCIPIOS DEMOCRÁTICOS, TECNOLÓGICOS, CULTURALES Y DEPORTIVOS

LEMA: "EDUCACIÓN, CIENCIA, CULTURA Y DEPORTE PARA TRASCENDER"

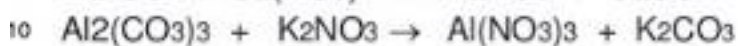
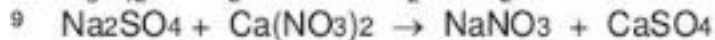
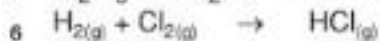
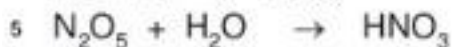
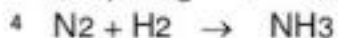
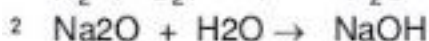
PREPARATION WORKSHOP
THIRD PERIOD
CHEMISTRY
ELEVENTH GRADE
TEACHER HEISEL QUESADA

Delivery date November 3, 2023

1. Complete the following table, with procedure

Compuesto	Peso atómico/molecular	Equivalencia en átomos /moléculas	Equivalencia en moles de átomos/ moles de moléculas
Zn(OH) ₂			
Pb			
Os(NO ₃) ₆			
Hg ₂ O			
RhBr ₄			
Er			
Am(OH) ₅			
Hf(SO ₃) ₄			
Re			
HF			

2. Balance the following equations by the trial method and perform the corresponding stoichiometric relationships



3. Calculate the chemical percentages in a solution with 200g of solute and 6L of solution
4. Calculate the solute of 3500 ml CO₂, percentage 25%
5. A solution has 38% of H₂SO₃. Calculate the total solution with 430 g of solvent

Complete the chart (with procedures)

	sustance	Molecular weight	grams	moles	moléculas
6	U(OH)3				
7	Th(CLO2)2				
8	MnBr7				
9	HAsO2				
10	Cr2(SO2)3				

Complete the chart (with procedures)

	Sustance	Molecular weight	Solute(mol)	Solution (L)	Molarity (mol/L)
11	Re(OH)7		400 g		
12	Cl2O7			4600ml	
13	HBrO				0.6
14	Ra(ClO)2		9000 molec		
15	FeO			6 L	

Complete the chart (with procedures)

	Sustance	Molecular weight	Equivalent weight	Solute (eq-g)	Solution (L)	Normality (Eq-g/L)
16	CO2					8
17	HIO3				3600 ml	
18	Ca(NO3)2			45		
19	SnO				7 L	
20	Au(OH)3					0.003

21. Pose and solve with procedure and theoretical answer 3 boyle law exercises

22. Pose and solve with procedure and theoretical answer 3 exercises of law of Charles

23. Pose and solve with procedure and theoretical answer 3 exercises of general equation of gases.

24. Write the principal characteristics of the gas laws

25. Write 3 everyday examples of each of the gas laws

Complete the information

	Functional group	Structural formula	Molecular formula	Lines formula	Name
26					3,3-dimetil 1,9- undecanol
27					3,4,5- trietil 7 ciclopropil 1 pentadecen 9,11- diino
28					Ácido 3, 5,7 Decatrien 9 ino 1 oico

29					Dodecanoato de octilo
30					2,4,6,8,10 Tridecapentaen 12 ino