



UNITED NATIONS SCHOOL I.E.D.

PEI: COMPREHENSIVE TRAINING OF COMPETENT ENTREPRENEURIAL LEADERS, WITH
DEMOCRATIC, TECHNOLOGICAL, CULTURAL AND SPORTS PRINCIPLES

MOTTO: "EDUCATION, SCIENCE, CULTURE AND SPORT TO TRANSCEND"

PREPARATION WORKSHOP FOR THE THIRD PERIOD

CHEMISTRY

NINETH GRADE

TEACHER HEISEL QUESADA

The preparation workshop must be carried out in the Chemistry notebook as a requirement to take the competency test

Delivery date november 8

ANSWER QUESTIONS 1 TO 10 WITH THE FOLLOWING INFORMATION

1. $4W + Q_2$	\longrightarrow	$2W_2Q$
2. $2Y_2 + 3Q_2$	\longrightarrow	$2Y_2Q_3$
3. $Y_2 + L_2$	\longrightarrow	$2LY$
4. $Y_2Q_3 + L_2Q$	\longrightarrow	$2LYQ_2$
5. $W_2Q + L_2Q$	\longrightarrow	$2WQL$
6. $LYQ_2 + WQL$	\longrightarrow	$WYQ_2 + L_2Q$

SUSTANCIA	CARACTERÍSTICA
W	Sólido, da iones +1
Y	Elemento muy electronegativo
LY	Enrojece el papel tornasol azul
L ₂ Q	pH = 7,0
WQL	Altamente básica

1. If WYQ₂ corresponds to a salt, what would the substances LYQ₂ and Y₂Q₃ be respectively? Write the training reactions for each one
2. If LY reacts with WQL, what would occur? Justify your answer
3. What kind of reaction are equations 2 and 6? Explain each one
4. Write under each substance the corresponding compound and its IUPAC name
5. According to the information which inorganic compound is LY, check its physicochemical properties
6. What does it mean that the substance L₂Q has a pH of 7?
7. Write down 10 compounds from everyday life that have this Ph and consult their uses
8. According to the following atomic weights, calculate the molecular weights of the inorganic compounds of the six reactions
W: 20 Y: 10 L: 25 Q: 80
9. What would the L₂Q compound be called? Check out its properties

10. Perform a crossword puzzle with 12 horizontal and 12 vertical terms and their respective clues, on the topic of inorganic functions and their nomenclature