I.P.E.T Nº 132: PARAVACHASCA" SECONDARY SCHOOL.

**4th YEAR: "INDUSTRIAL PROCESSES."*

*TEACHER: Matías Ledesma.

***Extra Practice Activities. (Reinforcement of Practice 3)**

A ESTE TRABAJO SOLO LO RESUELVEN ALUMNOS DE 4ºB.

Environmental Impact Assessment of Petrochemical Industry using Fuzzy Rapid Impact Assessment Matrix

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https://www.researchgate.net/publication/291384486_Environmental_Impact_Assessment_of_Petrochemical_Industry_using_Fuzzy_Rapid_Impact_Assessment_Matrix

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ABSTRACT.

Due to the high potential of petrochemical industry in the creation of environmental impact, environment impact assessment of the development of petrochemical industry ……. ***(Is – Am – Are)*** very important. The aim of this study ……. ***(Is – Am – Are)*** to provide and test a fuzzy model for environmental impact assessment of petrochemical industries as a decision support system in planning process and the development of petrochemical industry. To test this model, the Lorestan province …… ***(Am – Is – Are)*** chosen as the study area. In order to assess the impact of petrochemical industry in Lorestan, the combination of RIAM method and fuzzy theory …… ***(Am – Is – Are)*** used. First, using check lists and holding meetings with experts, the type of petrochemical industry impacts on environmental factors …… ***(Is – Am – Are)*** determined. Next, the effects of project activities on environmental factors …… ***(Are – Is – Am)*** scored; the fuzzy scoring was done using defined criteria in MATLAB software. Environmental components considered in the method used are divided into 4 main factors including physical - chemical, biological-ecological, social-cultural and economic-functional

and 33 sub-factors, assessment of nonimplementation, construction and operation stage was carried out individually. The results …… ***(Show – shows)*** the most important environmental impacts of petrochemical projects, water and soil pollution, air and noise as well as its socioeconomic consequences. The results showed that the operation in petrochemical industry ……. ***(create – creates)*** more important implications than the construction stage, some of them in terms of lack of control and environmental management, ……. ***(Is – Am – Are)*** irreversible and damaging.

Activities. (Actividades.)

1) Read the abstract and complete with the correct forms of the verb "To be" / Simple Present. (Lean al resúmen y completen con las formas correctas del verbo "To be" / Presente Simple)

***SI LO CONSIDERAN NECESARIO, UTILICEN AL TRADUCTOR: www.deepl.com.**

2) Answer the following questions.

a) What is the aim of the study carried out by the team of Environmental Engineering?. (*¿Cuál es el propósito del estudio que realizó el equipo de Ingeniería Ambiental?)*

b) How many factors are environmental components considered in the method divided into? (*¿En cuántos factores se dividen los componentes ambientales que se consideran en el método?)*

c) What other factors are included as well? (*¿Qué otros factores se incluyen también?)*

d) What do the results show? *(¿Qué muestran los resultados?)*

e) Does the operation in petrochemical industry create more implications than the construction stage?. (*La operación en industria petroquímica, ¿crea más implicaciones que el área de la construcción?)*

****ALUMNOS DE BURBUJA 2: Pueden utilizar a la lista de palabras relacionadas a industria que vimos en clase como ayuda para entender al texto.***

****ALUMNOS DE BURBUJA 1: Pidan a los compañeros de la burbuja 2 el listado de palabras que se vinculan a la industria visto en clase para ayudarse con algunas palabras del texto y así poderlo entender.***

OBJETIVOS DE ESTE TRABAJO.

1) Reforzar al uso del verbo "To be" (SER-ESTAR) en formas afirmativas, negativas e interrogativas así como al uso de pronombres interrogativos (WH-Words) y auxiliares "DO" / "DOES" en formas interrogativas y negativas.

2) Reforzar a la comprensión lectora (Reading comprehension) a través de lectura exploratoria previa (con ayuda de un traductor si es necesario) y cuestionarios.

CRITERIOS DE EVALUACIÓN.

1) Se tendrá en cuenta al trabajo tanto individual como en pares así sea de índole remota. Los alumnos pueden trabajar con algún compañero / compañera vía WhatsApp / www.webwhatsapp.com

2) Abordaje de los alumnos al texto con distintos recursos. (traductor – diccionario bilingüe en soporte papel / Online si disponen de Internet en su casa.)

3) Agregado, en forma prolija y letra clara, de nombre y apellido en cada hoja así como curso, y burbuja a la cual pertenecen.

Profe Matías´ WhatsApp Number: 351-8064910.