



Name: _____ Group: _____

Activity: **I.I** Activity Name: **Exploring your knowledge about science and technology**

Stage's Objectives: •

1- Analyzes the contribution of chemistry in the advances of science and technology to develop a critical attitude on its effects in the modern world

Generic Competencies and attributes:

4. Listens, interprets, and emits pertinent messages in different situations using mediums, codes and appropriate tools.

Discipline competences:

2. Bases opinions about the impact of science and technology in his daily life assuming ethical considerations.

Instructions: Answer the following questions:

1. ¿What is Chemistry? **(1)**

2. ¿What is Technology and how is related with chemistry? **(1)**

3. Watch the video "*Plastics and Fullerenes: The Future of Chemistry*" and explain
What are the uses of plastics? Why are plastics important? **(1)**

What would the world be like without plastics? **(1)**

How do you think nanotechnology will change our world? **(1)**



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Mention 3 disadvantages of plastics. (1)



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4. Complete the following chart by describing three products or materials used daily on each of the following areas: transport, food, medicines, hygiene products, household products, and classify them as synthetic or natural. (15)

Field of application	Product or material	Components (names or formulas if known)	Origin (natural or synthetic?)	Relation of chemistry with the product or material
Transport				
Food				
Medicines				



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School				
Household				



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5. Share and compare your information with your peers, and write an individual conclusion about the importance and applications of chemistry **(4)**

Grading:

Total of questions: 25

SCORE: Total of checkmarks: _____ x 4= _____