



**Unit 4- Plastic, textiles stone and ceramics**

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**Key Words** of the unit. Translate into Spanish all the Key words that appear in the unit.

ENGLISH	SPANISH

Do a list of 10 everyday objects that you normally use, that are made completely or partially of plastics.  
Give your opinion about this matter.

Explain what is a polymer.

Origin and transformation of plastics:

Natural plastics:

Synthetic plastics:

Name the common properties of the majority of plastics:

Explain what is a biodegradable substance.

Explain the principal **characteristics** of the 3 groups of plastics (based in the photocopies given by the teacher):

Thermoplastics:

Thermostable plastics:

Elastomers:

\*\* In another sheet, **copy** the summary table of the 3 groups of plastics, Thermoplastics, Thermostable plastics and Elastomers. (Based in the photocopies given by the teacher).

Formation techniques. **Explain** the different processes of plastic manufacturing and name objects that can be done. Copy the **drawing** of the process. (Based in the photocopies given by the teacher).

Extrusion

Lamination



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Vacuum forming

Moulding

Blow moulding

Compression.

Name different **textile** fibers obtained from different origins (vegetable, animal, mineral and synthetic).

Look at some label of your cloth and write its composition. Classify the different fibers in natural or synthetic.

Translate into Spanish the following words:

ENGLISH	SPANISH
Raw material	
Cotton	
Linen	
Hemp	
Wool	
Silk	
Leather	
Marble	
Granite	
Slate	
Binders	
Plaster	
Mortar	
Concrete	
Limestone	
Clay	

Name the elements that forms the following stone binders:

Cement:

Mortar:

Concrete:

Explain a little the ceramics of page 36

Name the properties of glass

Explain how is made a glass bottle and a glass for a window. (In the reverse of this sheet).