

## Types of wood (and their uses)



Beech tree



Oak tree



Pine tree



White Fir tree

Name in Spanish: \_\_\_\_\_

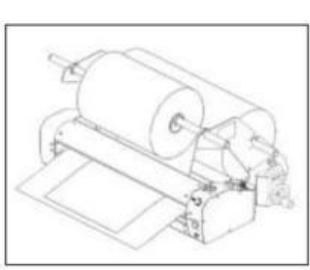
Name in Spanish: \_\_\_\_\_

Name in Spanish: \_\_\_\_\_

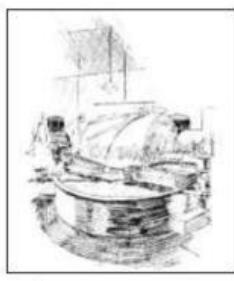
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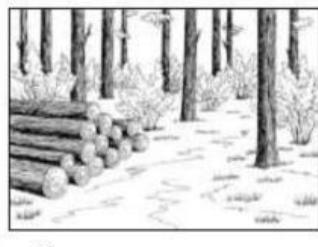
a)



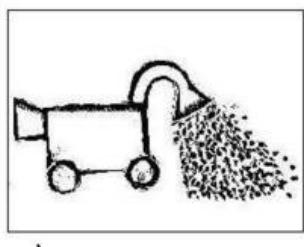
b)



c)

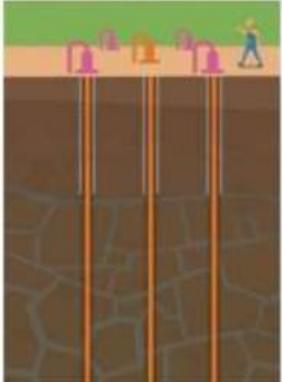


d)



e)

## Types of mining (What are their names?)



We can find metals in rocks, particularly...



An  (solid rock) that has other valuable  or  that need to be extracted.

What are the properties of these metals?



Steel



Aluminium



Titanium



Tin



Lead



Zinc



Bronze



Copper



Brass



Steel



Aluminium



Titanium



Tin



Lead



Zinc



Bronze



Copper



Brass

# Plastics

There are two types of plastic:  and 



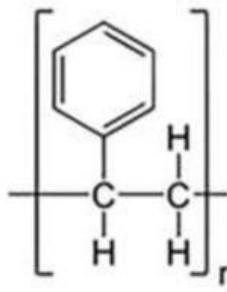
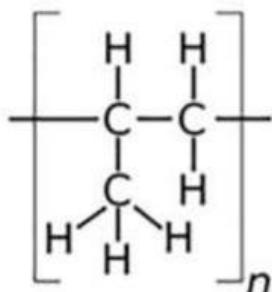
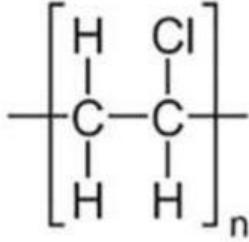
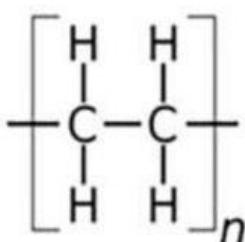
Natural plastics (polymers)



Synthetic plastics (polymers)

 and  origin.

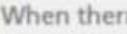
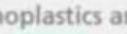
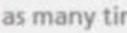
  gas &  origin.

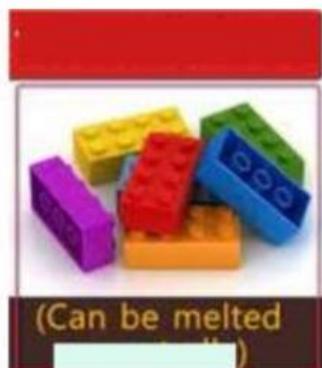


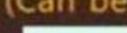
Synthetic plastics are a combination of  (H),  (C) and compounds.

are composed of polymer chains that are weakly-connected to each other.



When thermoplastics are heated, they  and can be moulded into different  The materials keep this new shape after they cool down. This heating and cooling process can be  as many times as needed.



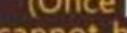
(Can be melted )

plastics are composed of polymer chains that are strongly-connected.



Thermosetting plastics can be heated and moulded, and they  that shape after they cool down. However, these materials can only be heated and shaped . The process cannot be



(Once , cannot be melted)

are composed of polymer chains that are laterally connected. They can be folded or rolled into a ball, like string.



When we apply force to elastomers, they伸展 (stretch) because the polymer chains are very flexible. The production of elastomers includes a chemical process called vulcanisation, in which sulphur is added to rubber at 160°C. This gives elastomers more strength, resistance and durability. However, it doesn't change their natural elasticity.



and material

**Thermoplastics soften when heated.**

Name	Properties	Uses
Polyethylene terephthalate (PET)		



plastics

High-density polyethylene (HDPE)		
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plastics

Polyvinyl chloride (PVC)		
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plastics

Low density polyethylene (LDPE)		
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plastics

Polypropylene (PP)		
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Polystyrene (PS)		
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Polystyrene foam (XPS)		
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How many times can each of these be recycled?

