Types of wood (and their uses)



Beech tree

Name in Spanish: _____



Oak tree

Name in Spanish: _____



Pine tree

Name in Spanish: _____

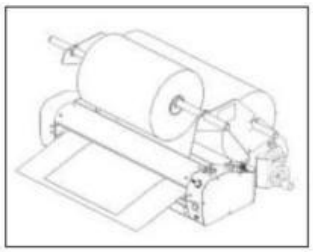


White Fir tree

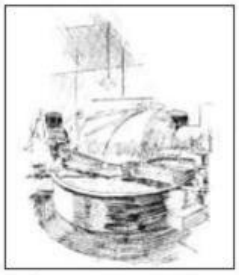
Name in Spanish: _____



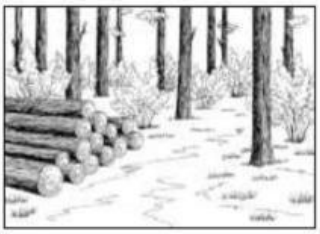
a)



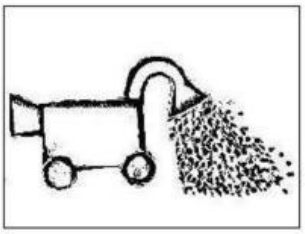
b)



c)



d)



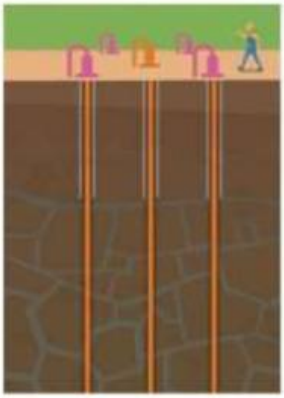
e)

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.

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What are the properties of these metals?



Steel



Aluminium



Titanium



Tin



Lead



Zinc



Bronze



Copper



Brass

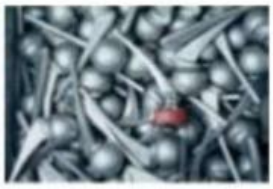
What uses do these metals have?



Steel



Aluminium



Titanium



Tin



Lead



Zinc



Bronze



Copper



Brass

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Plastics

There are two types of plastic: _____ and _____



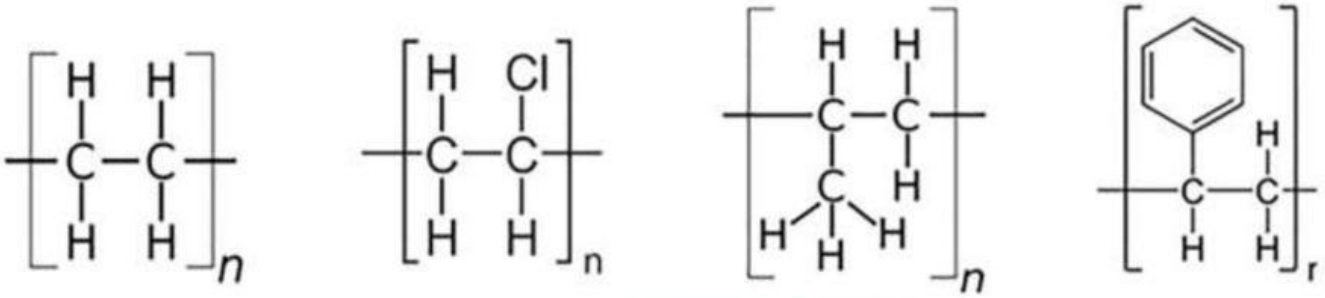
Natural plastics (polymers)

_____ and _____ origin.



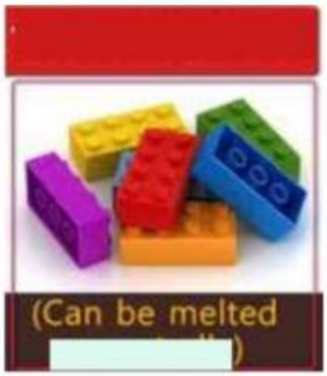
Synthetic plastics (polymers)

_____, _____ 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.
_____ 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 _____.





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

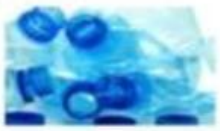


When we apply force to elastomers, they because the polymer chains are very
The production of elastomers includes a chemical process called vulcanisation, in which sulphur is added to rubber at 160°C. This gives elastomers more strength, resistance and durability. However, it doesn't change their natural



and material

Thermoplastics soften when heated.		
Name	Properties	Uses
Polyethylene terephthalate (PET)		
High-density polyethylene (HDPE)		
Polyvinyl chloride (PVC)		
Low density polyethylene (LDPE)		
Polypropylene (PP)		
Polystyrene (PS)		
Polystyrene foam (XPS)		



plastics



plastics



plastics



plastics



plastics



plastics



plastics

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How many times can each of these be recycled?



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