

Types of wood (and their uses)



Beech tree

Name in Spanish: _____



Oak tree

Name in Spanish: _____



Pine tree

Name in Spanish: _____

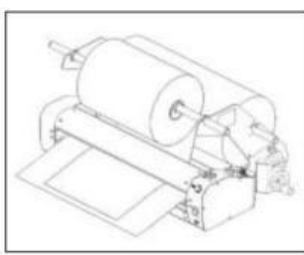


White Fir tree

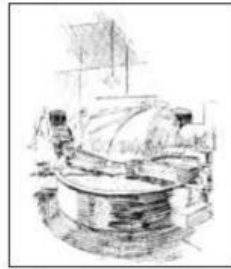
Name in Spanish: _____



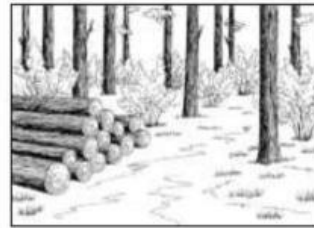
a)



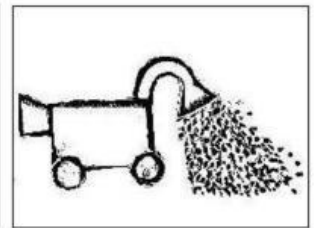
b)



c)

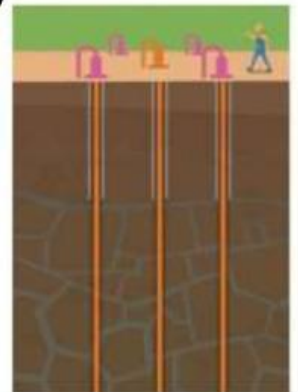


d)



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.

What are the properties of these metals?



Steel



Aluminium



Titanium



Tin



Lead



Zinc



Brönze



Copper



Brass

What uses do these metals have?



Steel



Aluminium



Titanium



Tin



Lead



Zinc



Brönze



Copper



Brass

Plastics

There are two types of plastic: _____ and _____



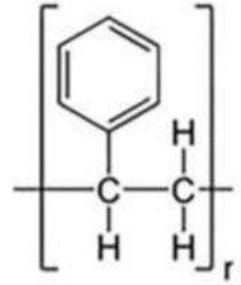
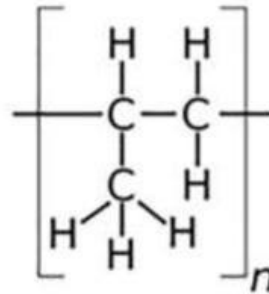
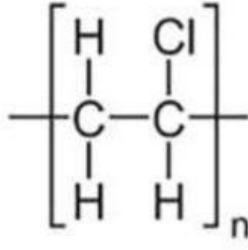
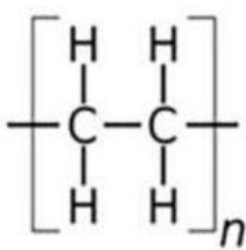
Natural plastics (polymers)



Synthetic plastics (polymers)

_____ and _____ origin.

_____ gas & _____ origin.

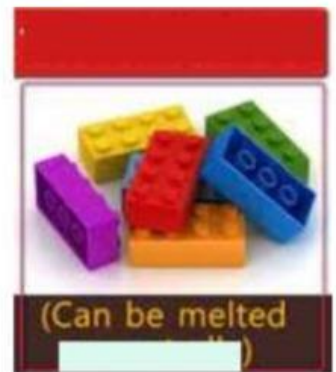


Synthetic plastics are a combination of _____ (H), _____ (C) and compounds.

_____ 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 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

How many times can each of these be recycled?

