

Lesson 8 – Tasks

Task 1

Work out if the following sentences are true or false:

Statement	T/F
Copper is more abundant than iron in earth's crust	
Copper resources throughout the world are very scarce	
Copper corrodes in contact with humidity forming a green layer (carbonate)	
A mine of copper is worked when there are 5 kg of copper per tonne of rock	
It can not be found in the nature as a native metal	
It was used by mankind after the iron age	
Copper recycling rate is very low	
Copper ores have usually less than 1% of copper	
Copper is soft and easy to smelt	

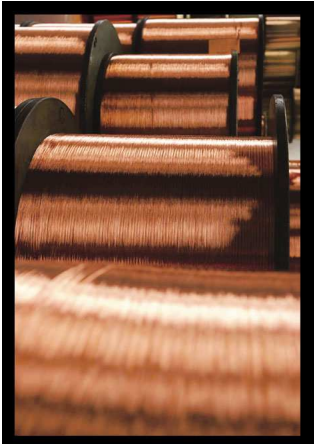



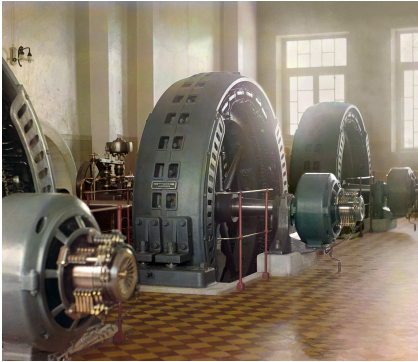
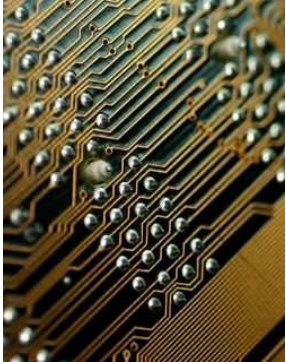
Task 2

Match up the following lists

Grinding the ore means that	gangue
Through the electrolysis	Blister copper forms
Sulphurs are removed	The gangue is removed and therefore the ore is enriched
The unwanted material from the ore is called	When the ore is heated (roasting)
The raw material is melt	When it heated to 1200°C
Concentrating means that	Is almost pure copper
In the furnace	The ore is crushed into powder
Blister copper	The copper is purified to 99.99%

Task 3

Name the following applications of copper:

Task 4

Fill the gaps in the following text:

Brass is an _____ having copper and _____. Brass has a _____ colour, somewhat similar to gold. The amount of Zinc is rarely higher than 50% because the alloy would be too _____ to be used as a resistant material. The first alloy used by human beings was _____. Before that they used pure _____. The first bronzes used by humans contained copper and _____. Nowadays it is considered bronze any alloy of copper except when it is with _____. Tin improves the _____ properties of copper and makes it more resistant to _____. Electrical resistances are sometimes made from a kind of bronze containing _____ and gears sometimes made from a kind of bronze containing _____.