

Test your knowledge

1. An electrical conductor is

- A. A material that lets electricity pass through it
- B. A material that does NOT let electricity pass through it.
- C. A raw material
- D. A material that lets heat pass through it

2. Which of the following materials is an electrical insulator?

- A. Copper
- B. Gold
- C. Wood
- D. Wet paper

3. Why is electrical wiring usually covered with a layer of plastic?

- A. To make it look very pretty
- B. To protect against water
- C. To help electricity flow quickly along the wire
- D. To make it safe for people

4. An electrical wiring is usually made from ...

- A. Copper
- B. Silver
- C. Iron
- D. Steel

5. The ratio between the mass and volume of a material is called:

- A. hardness
- B. density
- C. hygroscopicity (capacity of a material to absorb humidity)

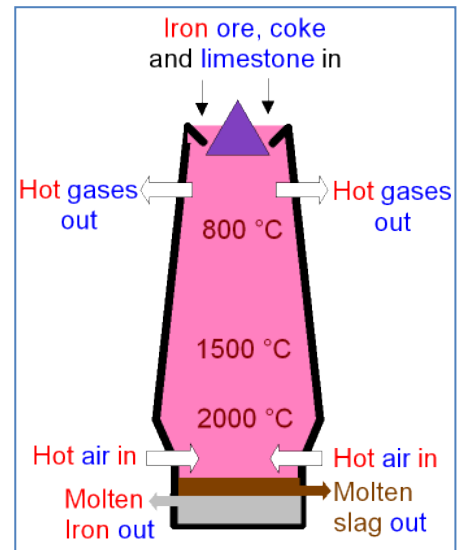
6. Which one of the following metals is ferric?

- A. copper
- B. Aluminum
- C. Steel

Steel industry

Fill up the gaps using these words:
waste materials , chemical reaction, carbon (x2) , Hot air, iron, molten, steel industry, carbon content, into the bottom

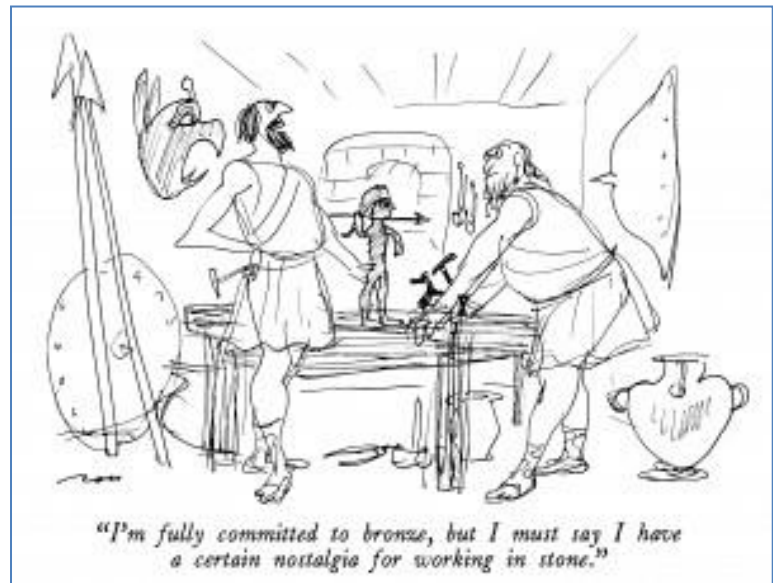
_____ is introduced into the lower part.
When the materials descend, a _____
_____ takes place. The _____ separates from the
_____ which were contained in the original mineral.
The _____ stay at the top and the _____
metal comes _____ (iron + _____ +
impurities).
The molten metal is directed towards the
_____ to adjust the _____.



Complete the paragraph by choosing words from the list given. You can choose the same word several times.

Words: Tin , Bronze, Iron (x 2), copper (x 4), Carbon, Steel (x 2)

The first metal to be used was _____. Some rocks with _____ minerals were probably next to a fire. The fire made the _____ melt and drip from mineral, forming a pool on the ground. Later came _____. This probably was also found accidentally. Minerals containing _____ also often contain _____, so as both metals dripped from the minerals they mixed. And finally _____. When we melt _____ using a wood fire, a bit of _____ mixes with the molten _____ and the result is _____.



In ancient times, miners found metals only in small amounts (especially silver and gold) so they were very valuable.

Types of materials

Place the following objects in their corresponding group according to type of material they are made of:

	Vegetable origin	Animal origin	Mineral origin
Wool sweater			
Metal chair			
A glass			
Leather shoes			
Paper roll			
Book			
Wooden spoon			
Knife			

Indicate the degree of processing of the following object:

	Raw materials	Half-processed products	Consumer goods
Plastic bottle			
Ball of wool			
Petroleum			
Mineral			
Screws			
Plastic bar			
Wool sweater			
Cotton string			
Cotton plant			
Cotton T-shirt			
Metal bar			

Match each object with the material it's made of:

Objects
Bicycle
Parquet
Power cable
Bicycle wheel
Credit card

Material
Aluminum
Copper
Plastic
Wood
Rubber

