Conductors and Insulators



- conductors
- insulating materials



Activity 1

What are these objects made of? Fill in each blank with one of the metals below.

copper

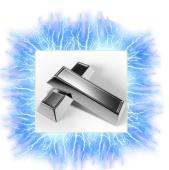
gold

aluminium

silver











Why did the train conductor call an electrician?
He couldn't see the light at the end of the tunnel!!

copper

allow easy flow of electricity.

Do you know that these metals are

good conductors of electricity?

silver

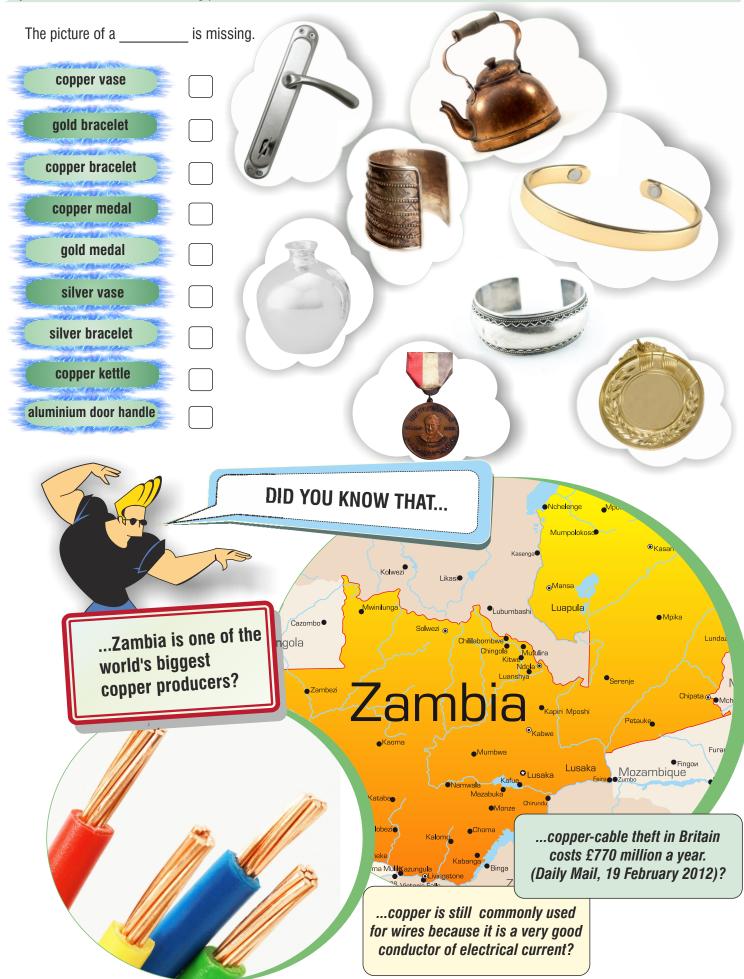
gold

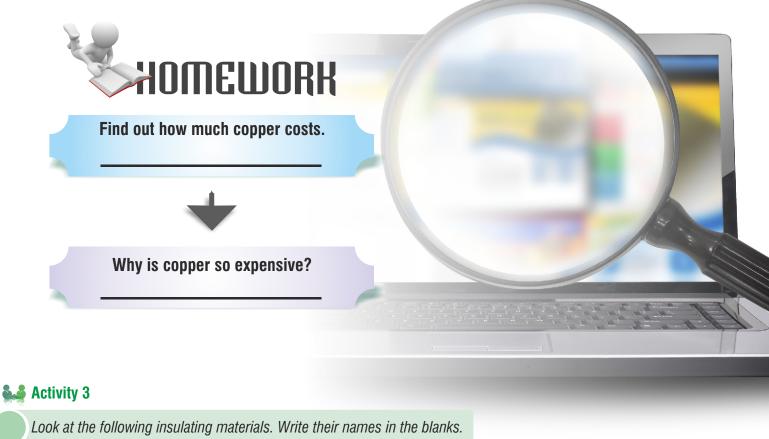
allow free movement of electrons.

Activity 2

Look at th

Look at the pictures on the right. These are examples of good conductors made of different metals. First tick the names you see. Then write the missing picture.

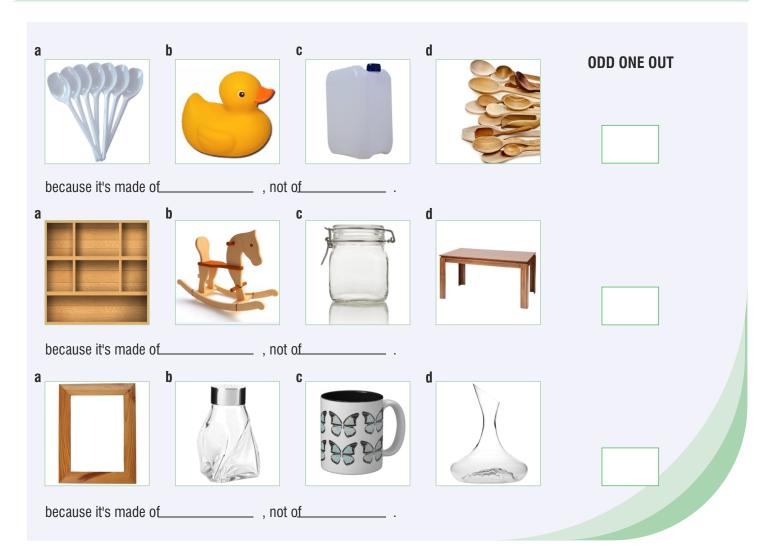






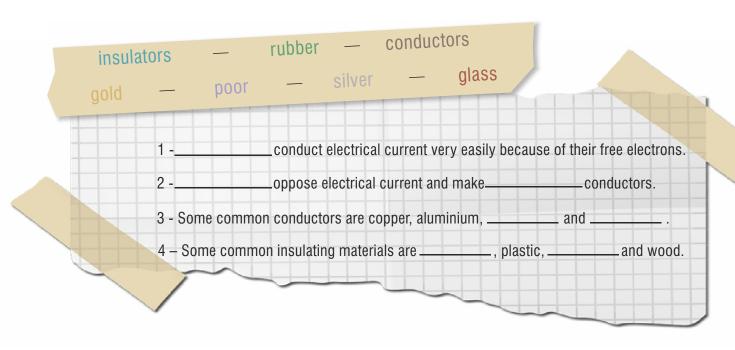
Activity 4

Look at the pictures below. One of the objects in each set is made of a different material. Find the odd one out in each group. Then write your reason for your answer.





First read the four sentences below. Then fill in the blank spaces with the words in the bubble.



Select your a a)...... Will an in

Select your answers (1-4) to the following questions(a-d).

Will an insulator make a light bulb light?
Why or why not?

b)......
Will a conductor make a light bulb light? Why or why not?

c)......
Why are insulators

useful?

d)......
Why are conductors useful to us?

No, because it does not conduct electricity. It protects the wires

Yes, because it conducts electricity. It helps make smooth flow of electricity

They help protect wires from getting messed up, and they help us from getting hurt.

4) They help make things work



Do you agree with these answers. Discuss in pairs.



Remember that most metals are good conductors. Common insulating materials are wood, air, glass and rubber. Find examples of conductors and insulators around you and bring them to the next lesson.

