



Mission Assignment: Describe the properties of metals



KS3-10-04

You are going to test some metallic properties of materials A-E. Then, identify which materials are metals and explain how you know this, referring to their properties. An example (*) has been done for you.

Material	Electrical conduction	Malleable	Heat conduction	Scratch test
*	<i>Material conducts electricity</i>	<i>Material can be bent without breaking</i>	<i>Heat can pass along the material</i>	<i>Material appears shiny where scratched</i>
A				
B				
C				
D				
E				

	<i>The material is likely to be a metal as it conducts heat and electricity, is malleable and shiny when scratched.</i>
A	
B	
C	
D	
E	



Mission Assignment: Describe the properties of metals



Suggest an example that shows a metal demonstrating these metallic properties. You may use different metals in your examples. The first one has been done for you.

1. Conducting electricity

Example: Copper is used in electric circuits as it is an electrical conductor.

2. Conducting heat

3. High tensile strength

4. Shiny when cut/polished

5. Sonorous

6. Malleable

7. Ductile

8. High melting point

9. High density

10. Magnetism
