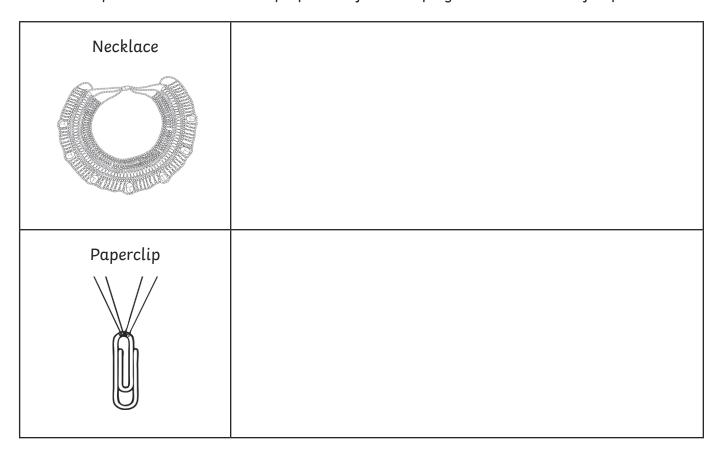
# **Properties of Metals**

### Metals have many properties that make them useful to us.

1. Rewrite the properties listed below next to their correct definitions.

	shiny	hard	malleable	ductile	high melting point
α.	Can be drawn	into thin wires			
b.	Goes from a so	olid to a liquid u	nder high tempe	eratures	
c.	Able to be har	nmered and sha	ped		
d.	Firm and resis	stant to pressure			
0	Poflocts light	_			

2. Look at the pictures below. Rank the properties of each displayed metal in order of importance.



### **Properties of Metals**

Cooking Pan	
Construction Steel	
Electric Wires	

3. Metals have some properties that are not useful to us, such as rust.

iron	water	oxygen	alloy	corrosion
Rust occurs in son	ne metals. It happ	ens when	αι	nd
react with the	pres	sent in some meta	ls. Rust looks like	a red-brown
cover over metals.	Eventually this c	an lead to patches	called	
forming in the me	tal. Today, we car	n minimise the ha	rmful effects of ru	st by combining
other elements to	a metal. We call t	hese metals		•

## Properties of Metals Answers

1. Rewrite the properties listed below next to their correct definitions.

shiny hard malleable	ductile	high melting point
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- a. Can be drawn into thin wires ductile
- b. Goes from a solid to a liquid under high temperatures high melting point
- c. Able to be hammered and shaped malleable
- d. Firm and resistant to pressure hard
- e. Reflects light shiny
- 2. Look at the pictures below. Rank the properties of each displayed metal in order of importance.

	T
Necklace	1. Malleable
	2. Ductile
	3. Shiny
	4. Hard
	5. High Melting point
Paperclip	1. Ductile
	2. Malleable
	3. Hard
	4. Shiny
	5. High Melting Point
Cooking Pan	1. High Melting Point
	2. Hard
	3. Malleable
	4. Shiny
	5. Ductile

#### Properties of Metals Answers

Construction Steel	1. Hard
	2. Malleable
	3. High Melting Point
	4. Shiny
	5. Ductile
Electric Wires	1. Ductile
	2. High Melting Point
	3. Malleable
	4. Shiny
	5. Hard

<sup>\*</sup> Importance can be debated in some areas.

3. Metals have some properties that are not useful to us, such as rust.

iron water oxygen alloy corrosion
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Rust occurs in some metals. It happens when **water** and **oxygen** react with the **iron** present in some metals. Rust looks like a red-brown cover over metals. Eventually this can lead to patches called **corrosion** forming in the metal. Today, we can minimise the harmful effects of rust by combining other elements to a metal. We call these metals **alloys**.