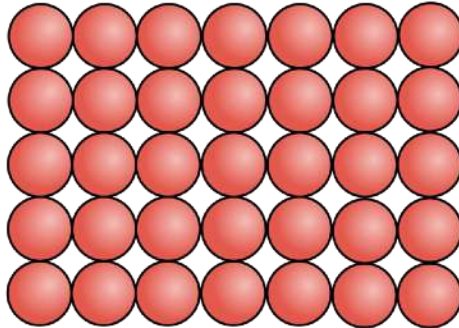


0	1
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Copper is a metal that can easily be shaped. It is a good conductor of heat and electricity. Its properties as a conductor of heat and electricity make it ideal for making electrical circuits and for utensils like saucepans.

The diagram below is a representation of the particles in copper metal.



0	1
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 .

1

Explain why copper can be easily shaped.

[2 marks]

.....
.....

0	1
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 .

2

Explain why copper is a good conductor of electricity.

[3 marks]

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.....
.....
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0	2
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Pure metals such as copper are often soft. Mixing two metals together can make an alloy. An alloy is often harder than a pure metal.

0	2
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 .

1

Explain why alloys are often harder than pure metals. You may use a diagram if you wish.

[2 marks]

.....
.....
.....

(Total 7 marks)

End