

## Homework 5.1

1. a) Name a metal which is unreactive and found uncombined in the earth?  
 ..... 1
- b) Name a metal which is formed by heating its ore with carbon?  
 ..... 1
- c) Name a metal which is made by molten electrolysis?  
 ..... 1
2. a) Which type of elements conduct electricity? ..... 1
- b) What type of element do not conduct electricity? ..... 1
- c) The only non-metal which conducts electricity is ..... 1

3. **Complete** the following table on properties of metals

Property	Meaning
a) .....	The ability to keep the same shape and not bend
b) .....	The ability to allow heat energy to flow through it
c) .....	Can be beaten/shaped into different shapes
d) .....	The amount of a substance in a set volume of that substance
e) .....	The ability to withstand high temperatures

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4. **Complete** the following table on alloys

Alloy	Properties of Alloy
a) .....	Alloy with increased strength and used in buildings and other structures
b) .....	Low melting point alloy which is used to join up broken wires/connections
c) .....	Decorative alloy used in ornaments and corrodes slowly
d) .....	Special alloy of steel which does not corrode/rust.

4

total

15