

GCSE Chemistry B (Twenty First Century Science)
J258/01 Breadth in Chemistry (Foundation Tier)

Question Set 19

1

Mia has three metals, **A**, **B** and **C**, that she reacts with water.

This is what she sees:

Metal **A** Fizzes and reacts quickly.

Metal **B** A few bubbles appear after some time.

Metal **C** Slow fizzing.

(a) (i) Put the metals in order of reactivity, with the **most** reactive first.

..... > >

[1]

(ii) Which metal forms positive ions most easily?

[1]

(b) Metal **A** is placed in copper sulfate solution. A brown metal is made.

Name the brown metal.

[1]

(c) The diagram below shows the bonding in metals.

Label the diagram by writing on the dotted lines.

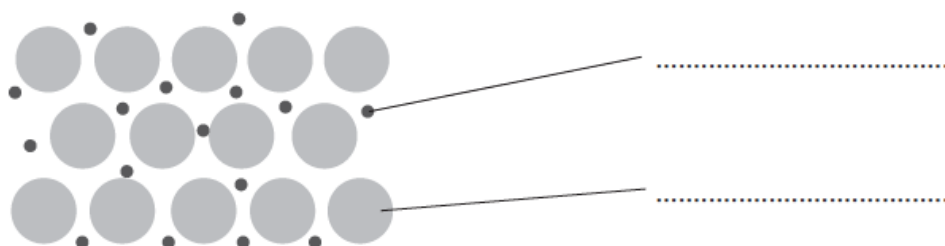
Use words from the list below.

atom

electron

metal ion

proton



[2]

- (d) Metals conduct electricity and are malleable (shapeable).

Draw lines to connect each property with its correct explanation.

| Property | Explanation |
|--------------------------|---|
| Conducts electricity | Electrons can move. |
| Malleable (shapeable) | Some particles in the metal have positive charge. |
| | Particles in the metal can slide over each other. |

[2]

Total Marks for Question Set 19: 7

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