



3055 BA SANGAM COLLEGE

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WORKSHEET 13

School: Ba Sangam College

Year/level: 10

Subject: Basic Science

NAME: _____

Strand 2	Matter
Sub Strand 2.2	Materials
Content Learning Outcome	Investigate the differences in the properties and uses of metals and non-metals and describe the change in properties of metals when heated or cooled or when doing work on them.

Lesson Notes - Uses of Metals

Metals	Properties	Uses
Aluminium 	Low density, does not corrode Conductor of heat and non-toxic Malleable and strong.	Suitable for the bodies of planes For making saucepans For cooking foil and milk tops
Copper 	Good conductor of electricity. Does not react with water Ringing sound, sonorous	Electrical wires as it is a good conductor Water pipes due to its low reactivity For bell making
Gold 	Very good conductor of electricity, unreactive Does not rust and shiny	Electrical connections on circuit boards – due to its conductivity. Jewellery – due to its lack of reactivity.
Steel 	Cheap and strong	Suitable for building material, car parts kitchen sinks, cutlery

<p>Lead</p> 	<p>Malleable, can be stretch without breaking, heavy and cheap.</p> <p>Resist corrosion(rust)</p>	<p>Suitable for fishing line sinkers and roof sealing</p> <p>Automobile industry - batteries</p>
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Exercise

1. State a property of the following metals that makes it suitable for the following uses:

a. Gold is used as jewellery.

Property _____ (1 mark)

b. Copper is used in electrical wires.

Property _____ (1 mark)

c. Aluminium is suitable for the bodies of planes.

Property _____ (1 mark)

d. Steel is suitable for car parts and kitchen sinks.

Property _____ (1 mark)

2.State one use of lead metal.

_____ (1 mark)

3. Why is copper used in bell making?

_____ (1 mark)

TOTAL:

6
