



3055 BA SANGAM COLLEGE

PH: 6674003/9264117 E-mail: basangam@connect.com.fj



WORKSHEET 14

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 non metals

Non-Metals	Properties	Uses
Carbon (graphite) 	Soft and smooth.	Lead of pencil Electrodes in electrolysis and dry cells.
Carbon (diamond) 	Hard Colourless and transparent	Drill bits for cutting stones. Jewellery
Neon gas 	Poor conductor	Lights used for billboards.
Chlorine 	Acidic, soluble in water	Kills germs in drinking water, used for making plastics, bleaching powder and liquid.

Phosphorus 	Reacts easily with oxygen.	Making matches
---	----------------------------	----------------

Alloys – mixture of metals with other substances

e.g brass, bronze, steel

Exercise

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

a. Carbon is used in lead of pencil.

Property _____ (1 mark)

b. Neon gas is used in lights for billboards

Property _____ (1 mark)

c. Phosphorus is used for making matches.

Property _____ (1 mark)

2. State one use of carbon (diamond)

_____ (1 mark)

3. What is an alloy?

_____ (1 mark)

4. Give two examples of alloys.

(2 marks)

TOTAL:

