



# 3055 BA SANGAM COLLEGE

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## Week 11

School: Ba Sangam College

Year/level: 10

Subject: Basic Science

NAME: \_\_\_\_\_

Strand 2	Matter
Sub Strand 2.1	Investigating Matter
Content Learning Outcome	Investigate the structure of an atom and explain the properties of common elements in relation to their position on the periodic table.

### Lesson Notes

The reactivity series is a list of metals arranged in the order of their decreasing activities.

K	Potassium	↓ Most reactive  Reactivity decreases  Least reactive
Na	Sodium	
Ca	Calcium	
Mg	Magnesium	
Al	Aluminium	
Zn	Zinc	
Fe	Iron	
Pb	Lead	
H	Hydrogen	
Cu	Copper	
Hg	Mercury	
Ag	Silver	
Au	Gold	

### Common Elements: 1<sup>st</sup> Twenty

Symbol	Element	Symbol	Element
H	Hydrogen	Na	Sodium
He	Helium	Mg	Magnesium
Li	Lithium	Al	Aluminium
Be	Beryllium	Si	Silicon
B	Boron	P	Phosphorus
C	Carbon	S	Sulphur
N	Nitrogen	Cl	Chlorine
O	Oxygen	Ar	Argon
F	Fluorine	K	Potassium
Ne	Neon	Ca	Calcium

Exercise

1. Arrange the following elements from least reactive to most reactive.

Cu, Ag, Na, Al, H, Fe

- i. \_\_\_\_\_
- ii \_\_\_\_\_
- iii \_\_\_\_\_
- iv \_\_\_\_\_
- v \_\_\_\_\_
- vi \_\_\_\_\_

( 3 marks)

2. Identify the elements with the given symbols.

a. Na \_\_\_\_\_

b. Ne \_\_\_\_\_

c. Ca \_\_\_\_\_

d. Cl \_\_\_\_\_

(4 marks)

3. Write down the symbols of the given elements.

a. Potassium \_\_\_\_\_

b. Phosphorus \_\_\_\_\_

c. Sulphur \_\_\_\_\_

(3 marks)

TOTAL: 

10
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