# NATURAL SCIENCES

# TEST

# JUNE 2025

## Examiner: MR MATHAGA R

## GRADE: 08

**Learner: _____ Date: _____**

**MARKS: 30**

**DURATION: 45 Minutes**

**INSTRUCTIONS**

**Read the following instructions carefully before answering the questions.**

1. **Answer ALL the questions.**
2. **Write neatly and legibly.**

---

Free past papers and study resources: studypapers.co.za

Question 1 (5)

Choose the correct answer.

1.1 An ……. is made of atoms of the same kind and as a result it is pure.
(1)
a. Compound
b. Element
c. Atoms
d. Composition

1.2 Hydrogen is found in group ……. of the periodic table. (1)
a. Group II
b. Group I
c. Group III
d. Group V

1.3 ……. is made up of two or more different elements. (1)
a. Compound
b. Molecules
c. Atom
d. Element

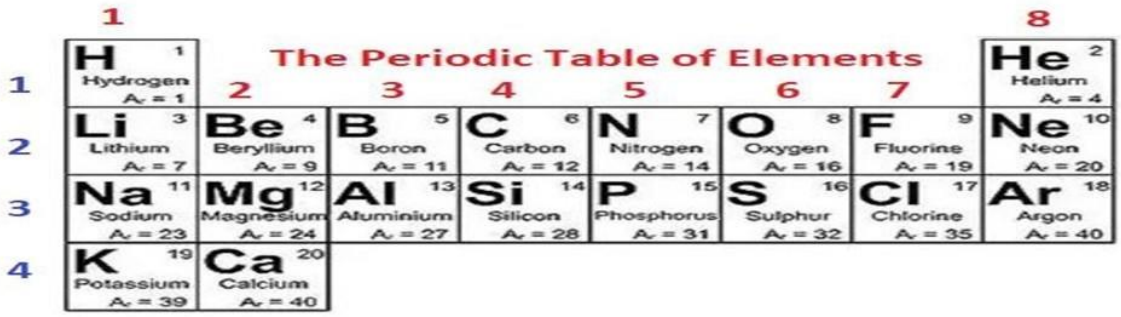
1.4 A ……. is made of two or more atoms. (1)
a. Molecule
b. Electrolysis
c. Cathode
d. Chloride

1.5 ……. is a force exerted per unit area (1)
a. Gas
b. Liquid
c. Pressure
d. Density



Free past papers and study resources: studypapers.co.za

Question 2 (5)




2.1 Discuss what an element is. (2)

_____

_____

2.2 In which group do we find hydrogen? (1)

_____

2.3 In which period do we find B, Li, N and O? (1)

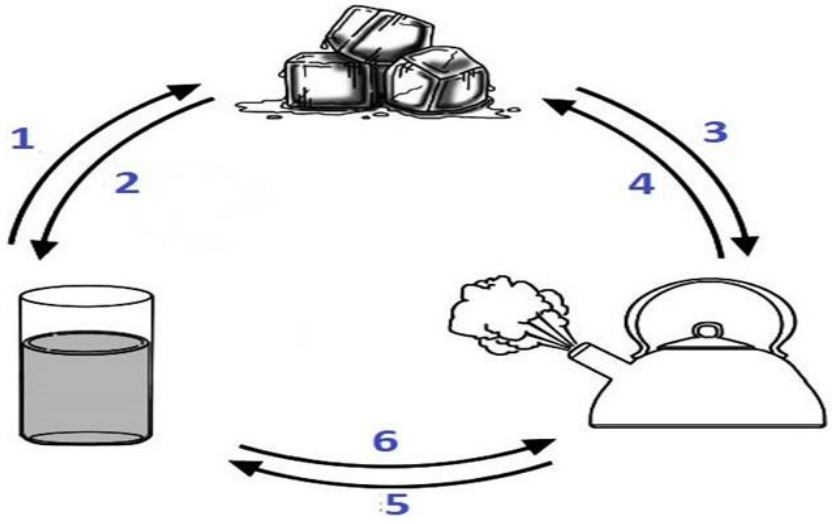
_____

2.4 Which element has an atomic number of 20? (1)

_____

Question 3 (10)

Use the diagram to answer some of the questions that follow:






Free past papers and study resources: studypapers.co.za

3.1 Put the correct labels to processes represented by the numbers 1-6

1_____ 2_____ 3 _____

4 _____ 5 _____6_____ (6)

3.2 Riaan put 3 litres of water into a kettle and started heating the water until it boils. He then forgot to use the water but when he measured the volume of the water in the kettle it was now less than 3 litres. Explain to

him by also referring to the diagram what could have happened to the water. (2)

_____

_____

3.3 Upon arrival at Giyani, Kgaugelo wanted to drink water but the water was too warm for her to drink. What do you think she should do to the

water? (1)

_____

_____

3.4 What will she be doing to the temperature of the water? (1)

_____

_____



Free past papers and study resources: studypapers.co.za

Question 4 (10)

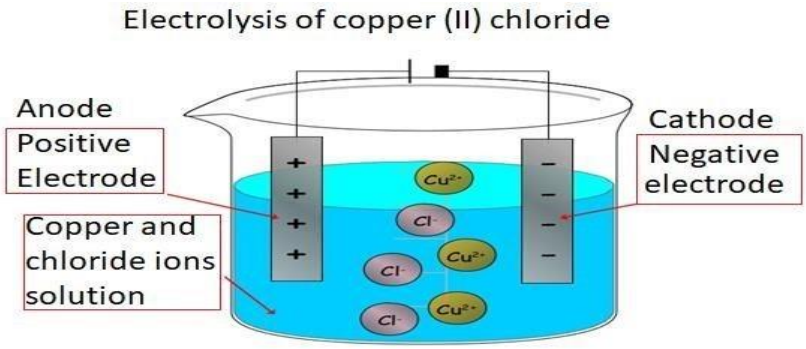
4.1 Define a compound. (2)

_____

4.2 What is electrolysis? (1)

_____

4.3 Use the diagram below to answer the questions that follow:




a. What is an anode? (1)

_____

b. What is a cathode? (1)

_____

c. What is happening in the shown chemical reaction? (2)

_____

_____

d. What is the compound in this diagram? (1)

_____

e. What are the two products formed from this decomposition? (2)

_____

Total: 30



Free past papers and study resources: studypapers.co.za