

GREENLAWNS HIGH SCHOOL
TERMINAL EXAMINATION 2021

SUBJECT: CHEMISTRY

CLASS: 8

TIME: 1 HOUR

MARKS: 40

Note: All answers to this paper must be written on composition sheets only. This question paper has four pages.

Reading time: 8.20 a.m. to 8.30 a.m. Use this time to read the paper carefully.

Writing time: 8.30 a.m. to 9.30 a.m.

Paper uploading time: 9.30 a.m. to 9.40 a.m.

Write your **Name, Roll no., Class-Div.** and **Page number** in the right-hand side top corner of every side of your composition sheet.

After you finish writing the paper, click clear photos of all the pages of your answer sheets, convert it into a single PDF and rename it as

Roll No. Name Class-Div. Chem Terminal and upload it on teams under the given assignment or as directed by your Chemistry teacher.

Question 1

- A) Name the following (5)
- i) The arrangement of electrons in various orbits of an atom of an element is known as
 - ii) The type of mixture in which constituents are not uniformly mixed.
 - iii) The number of electrons gained or lost from the outer shell of an atom of an element during a chemical reaction.
 - iv) The characteristic of matter which represents the quantity of matter.
 - v) The element used for comparison while determining the relative atomic mass of an atom.

Contd....

B) Write the symbol of each of the following elements (3)

i) Iodine ii) Silicon iii) Argon iv) Nitrogen v) Beryllium vi) Boron

C) Calculate the maximum number of electrons that can be (2)

accommodated in 5th and 7th shell of an atom of an element.

(Show your calculations)

Question 2

A) Define: (5)

i) Liquefaction ii) Isotopes iii) Compound iv) Metalloid

v) Atomic number

B) Name the most suitable technique used to separate the following: (3)

i) Carbon tetrachloride (heavier) from the mixture

Carbon tetrachloride and water.

ii) Camphor from the mixture of Camphor powder and Sulphur powder.

iii) Sugar from Sugar solution.

C) Give scientific reasons (2)

i) Neon is a noble gas.

ii) Benzene and Toluene mixture can be easily separated by fractional distillation method.

Question 3

A) Write the molecular formulae of the following compounds (3)

i) Calcium bicarbonate

ii) Ammonium chloride

iii) Aluminium nitride

B) Write the English names of the elements whose symbols are given below: (2)

i) K ii) Mn

C) Draw the atomic structure of – Oxygen atom $^{16}\text{O}_8$ (3)

D) Explain the process of Solidification on the basis of following points: (2)

i) Energy ii) inter-particle space iii) inter-particle force of attraction iv) conversion of state.

Question 4

A) Study the properties given below and answer the questions that follow (5)

PROPERTIES –

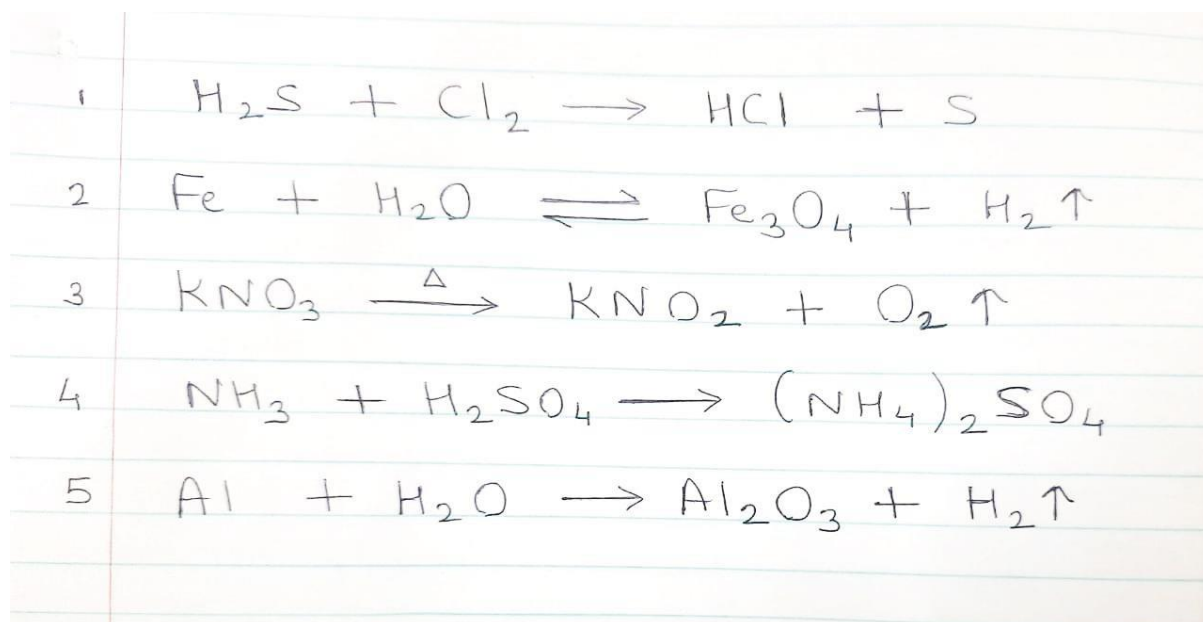
1. No lustre
2. Poor conductor of electricity
3. Non malleable

QUESTIONS –

- i) Which type of the elements show the above properties?
- ii) Give two examples of the elements showing the above properties.
- iii) Give one example which is an exception for the property number 1 & 2.
- iv) Give one property of the type of elements mentioned by you in answer i other than given above.

B) Balance the following Chemical equations:

(5)



BEST OF LUCK