

MERRYLAND HIGH SCHOOLS ENTEBBE

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S2 TERM ONE 2020 CHEMISTRY HOLIDAY WORK

1. Magnesium reacts with steam to produce solid X and gas Y

a) Name;

i) Solid X

ii) Solid Y

b) i) State how Y could be tested in the laboratory.

ii) Outline three uses of gas Y

c) Write equation for the reaction between magnesium and hydrochloric acid

2 a) Name the particles that make up an atom

b) Which particle has;

i) A positive charge?

ii) No charge?

iii) Almost no mass?

c) Which particle determines the chemical nature of an element?

3 a) Define the following terms;

i) Atomic number

ii) Mass number

iii) Isotopy

b) The table below shows the atomic number and mass number of some elements. The letters are not the correct symbols of the elements.

Atom	Atomic number	Mass number
A	6	12
B	12	24
C	6	14
D	17	35

- i) State the group and period numbers of atoms A , B and D
- ii) Write the formula of the ion formed by atoms A , B and D
- iii) Write the formula of the compound formed between B and D
- iv) Which of the atoms are isotopes. Give a reason for your answer.

END