**REVISION PAPER**

**S.1 END OF TERM 1 CHEMISTRY.**

**Duration: 2 hrs**

INSTRUCTIONS

Attempt all questions

1. Define the following terms.
2. A molecules.
3. A compound.
4. A mixture
5. A radical
6. Water of crystallization.
7. Fill the table below with suitable elements and symbols.

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| --- | --- |
| ELEMENT | SYMBOL |
|  | Mg |
| LOAD |  |
| SODIUM |  |
| POTASSIUM |  |
| CHROLINE |  |
|  | AU |
| MERCURY |  |
| IRON |  |
|  | Ca |
|  | Ag |

3a. Outline any five methods of separating mixtures.

1. ……………………………………………………………………………………………………………
2. ……………………………………………………………………………………………………………
3. ……………………………………………………………………………………………………………
4. ……………………………………………………………………………………………………………
5. ………………………………………………………………………………………………………........

b. state three differences between a mixture and a compound

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c. what is the difference between miscible and immiscible mixtures.

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d. Outline the two examples of miscible and immiscible mixtures

Miscible mixtures

i.……………………………………………………………………………………………………………………………

ii.…………………………………………………………………………………………………………………………...

Immiscible mixtures.

1. ………………………………………………………………………………………………………………
2. .………………………………………………………………………………………………………………
3. With the aid of a well rebelled diagram, describe how mixture of water and ethanol can be separated by fractional distillation in a space provided bellow.

5a. what is a flame?

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b. Outline five differences between luminous and non-luminous flame in the table below.

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6a. The diagram below is a Bunsen burner.

a

b

c

D

b. Name the parts labeled a, b, c and d

a.………………………………………………………………………………………………………………………………………

b.……………………………………………………………………………………………………………………………………..

c. ……………………………………………………………………………………………………………………………………..

d. …………………………………………………………………………………………………………………………………….

7. Define the following terms

Saturated solution.

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Supper saturated solution

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Unsaturated solution

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Suspension

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A crystal.

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…END…