KIKONGE HIGH VIEW SECONDARY SCHOOL

S.1 CHEMISTRY

END OF TERM 2

INSTRUCTIONS: answer all questions.

Time: 1 hour and 30 mins

SECTION A

1. Throughout ages, curiosity has made man to explore about his surroundings and things that make livelihood meaningful. In doing so, a lot of knowledge about substances has been built up, this partly makes up what we call chemistry.
2. Give a brief description of the meaning of the term chemistry.

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1. Chemistry is said to be a laboratory science. Give a reason why chemistry is categorized as a laboratory science.

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1. The table below shows some examples of important chemical reactions in our daily life. Study it carefully and write down one importance of them in our daily life in the table below.

|  |  |
| --- | --- |
| Chemical reaction. | How it is important in our daily life. |
| Combustion  Rust  Digestion  Photosynthesis  Batteries  Fermentation.  Washing  Baking |  |

1. Chemistry is one of the prestigious science subjects studied at the secondary level of education. When you study chemistry, you not only acquire knowledge about many chemical reactions and other substances but you can also take up various careers after school.
2. Identify any three careers that you can take up through studying chemistry.

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1. Briefly describe how the knowledge of chemistry has been applied in the following field in the Ugandan economy.
2. Agriculture

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1. Medicine

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1. Cosmetics industry

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1. The list below shows some apparatus used in chemistry laboratory. Draw and state the use of each in a chemistry laboratory.

|  |  |  |
| --- | --- | --- |
| Apparatus | Diagram | Uses |
| Beaker. |  |  |
| Test tubes |  |  |
| Filter funnel. |  |  |

SECTION B

1. Engineers need to know that substances expand when they are heating. Give three examples where engineers use this information to design things.
2. Consider three states of matter. Distinguish between the three states of matter in terms of arrangement of particles.
3. Describe how concrete materials are made and list three uses of ceramic materials.

END.