[Chemistry](https://www.shuledirect.co.tz/notes/list_notes/2/20446)

1. [Introduction To Chemistry](https://www.shuledirect.co.tz/notes/list_notes/2/20446#20447)
	1. The concept of chemistry
		* Explain the concept of Chemistry
		* Mention materials objects made by application of chemistry
	2. The importance of chemistry in life
		* Mention areas where chemistry is applied
		* State the importance of Chemistry in daily life
2. [Laboratory Techniques And Safety](https://www.shuledirect.co.tz/notes/list_notes/2/20446#20458)
	1. Rules and safety precautions in a chemistry laboratory
		* State laboratory rules
		* Explain the safety measures for a chemistry laboratory
	2. First aid and first aid kit
		* Identify possible causes of accidents in a chemistry laboratory
		* Name the items found in a first aid kit
		* Demonstrate how each first aid kit item is used
		* Use the items in a first aid kit to provide first aid to an accident victim
	3. Basic chemistry laboratory apparatus and their uses
		* List the apparatus used in a chemistry laboratory
		* Categorize chemistry laboratory apparatus according to their uses
		* Use common chemistry laboratory apparatus
	4. Warning signs
		* Draw and label the basic chemical warning signs
		* Explain the concept of warning signs
3. [Heat Sources And Flames](https://www.shuledirect.co.tz/notes/list_notes/2/20446#20485)
	1. Heat sources
		* Name different heat sources which can be used in a chemistry laboratory
		* Explain the functioning of a bunsen burner
	2. Types of flame
		* Produce luminous and non-luminous flames from different types of flames
4. [The Scientific Procedure](https://www.shuledirect.co.tz/notes/list_notes/2/20446#20494)
	1. Significance of scientific procedure
		* Explain the concept of scientific procedure
		* Explain the importance of the scientific procedure
	2. The main steps of the scientific procedure
		* Describe each step of the scientific procedure
	3. Application of the scientific procedure
		* Use the Scientific procedure to carry out investigations in chemistry
5. [Matter](https://www.shuledirect.co.tz/notes/list_notes/2/20446#20506)
	1. Concept of matter
		* Explain concept of matter
	2. States of matter
		* Describe the three states of matter
		* Change one state of matter to another
		* Explain the importance of changing one state of matter to another
	3. Physical and chemical changes
		* Describe the characteristics of a physical change
		* Demonstrate physical changes of matter experimentally
		* Describe the characteristics of a chemical change
		* Demonstrate chemical changes of matter experimentally
	4. Elements and symbols
		* Explain the concept of an element
		* Differentiate elements from other substances
	5. Compounds and mixtures
		* Concept of compounds and mixtures
		* Prepare a binary compound
		* Compare the properties of a compound with those of its constituent elements
		* Explain the concept of a mixture
		* Classify mixtures into solutions, suspensions and emulsions
	6. Separation of mixtures
		* Describe the different methods of separating mixtures
		* Explain the significance of separating different mixtures
		* Separate the components of different mixtures using different methods
6. [Air Combustion, Rusting And Fire Fighting](https://www.shuledirect.co.tz/notes/list_notes/2/20446#20549)
	1. Composition of air
		* Name the gases present in air and their proportions
		* Demonstrate the presence of different gases in air
		* Determine the percentage of oxygen in air experimentally
	2. Combustion
		* Explain the concept of combustion
		* Demonstrate the combustion of different substances in air and analyse the products
		* Describe the application of combustion in real life
	3. Fire fighting
		* Classify types of fires according to their causes
		* Identify different types of fire extinguishers used to extinguish different types of fire
		* State the components needed to start a fire
		* Classify fire extinguishers according to the chemicals they contain
		* Extinguish small fires using the right types of fire extinguishers
	4. Rusting
		* Explain the concept of rusting
		* Demonstrate the conditions necessary for iron to rust
		* Describe the different methods of preventing iron from rusting