

WE EK	TOPIC	SUB-TOPIC	SPECIFIC OUT COMES	METHODOLOGY	SUGGESTED EXPERIMENTS	REFERENCES
1	Atoms, elements	Chemical formulae	Demonstrate how to deduce valency of an element. -Formulate chemical formulae of compounds.	Question and answer Illustration		Chemistry 10

MINISTRY OF GENERAL EDUCATION

PROVINCIAL SCHEMES OF WORK FOR CHEMISTRY 5070

Subject: CHEMISTRY 5070 Grade: 10 Term: TWO Year: 2016 Teacher: ----- periods per week

	, compounds and molecules					
2	Atoms, elements , compounds and molecules		Demonstrate how to deduce valency of an element. -Formulate chemical formulae of compounds.	Illustration Question and answer		Complete chemistry
3	Atoms, elements , compounds and molecules		-Identify the differences in properties of ionic and covalent compounds.	discussion		
4	Atoms, elements , compounds and molecules	METALLIC BONDING	-Describe metallic bonding - Describe the electrical/thermal conductivity of metals		Demonstrate thermal and electrical conductivities of	New certificate chemistry

	s				metals.	
5	Atoms, elements, compounds and molecules	Macromolecules	Describe the giant covalent structures of graphite and diamond Describe the uses of graphite and diamond in relation to their structures	Discussion Question and Answer		New certificate chemistry Complete chemistry
6	Atoms, elements, compounds and molecules	Macromolecules	Describe the macromolecular structure of silicon (IV) oxide (silicon dioxide)	Discussion Question and Answer		New certificate chemistry Complete chemistry
7	Atoms, elements, compounds and molecules	Macromolecules	Identify the similarities in properties between diamond and silicon dioxide	Discussion Question and Answer		New certificate chemistry Complete chemistry

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8	Atoms, elements, compounds and molecules	*Chemical formulae and equation	Demonstrate how to construct word equations.	Question and Answer		New certificate chemistry Complete chemistry
9	Atoms, elements, compounds and molecules	Balancing of chemical equation	Formulate balanced chemical equations.	Class Discussion Question and answer		Chemistry 10

10	Atoms, elements, compounds and molecules	Ionic equations	- Construct net ionic equations from balanced chemical equations.	illustration Discussion	-demonstrate the electrical conductivity of graphite	New certificate chemistry O'level chemistry
11, 12 & 13	Revision and end of term test					