

AS Unit F332: Chemistry of Natural Resources

Unit 1: Elements from the sea

A study of the extraction of halogens from minerals in the sea together with a study of the properties and uses of Group 7 elements and their compounds.

The chemical ideas in this teaching module are:

- Halogen chemistry;
- Redox chemistry;
- Periodic Table – electron configurations and periodicity of ionization enthalpy.
- Intermolecular dipole bonds.
- Halogenoalkane chemistry.
- Industrial chemistry.

Topic	F332 code	Number	Assessable learning outcomes	(Roughly) Number of exam questions	CGP-AS Revision guide (Page number)	Chemical storylines (Page number)	Chemical ideas (Page number)
Formulae, equations and amount of substance		ES1i	Use the concept of amount of substance to perform calculations involving molecular formulae.	5	S2-S3		1-4
		ES1ii	Use the concept of amount of substance to perform calculations involving percentage yield.	2	S3		357-358
		ES1iii	Use the concept of amount of substance to perform calculations involving masses of reagents.	2	S2		1-4
	DF1i	ES1iv	Use the concept of amount of substance to perform calculations involving volumes of gases.	1	S2		10-11
		ES1v	Use the concept of amount of substance to perform calculations involving concentrations of solutions.	5	S3		12-14

Salters B F332 2013 Paper

Roman Wölfel



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