

Academic Year 2016/2017

Mrs. Lucy Penenian

Grade 11 Humanities

Chemistry

Contents	Learning objectives
Soaps	<ul style="list-style-type: none">-Describe the preparation and ingredients of soap-Explain the interaction of soap with hard and soft water-Describe the mechanism of detergency-Summarize the composition of different types of soaps
Detergents	<ul style="list-style-type: none">-Describe the preparation and composition-Describe the characteristics of detergents
Impact on the Environment	<ul style="list-style-type: none">-Identify pollution problems-Develop a positive attitude toward the environment
Synthetic polymers	<ul style="list-style-type: none">-Identify sources of synthetic polymers-Define polymer, macromolecule, monomer, homopolymer, copolymer and plastics-Name and write the general formulas of a number of polymers-Classify synthetic polymers and describe their properties
Synthesis of polymers	<ul style="list-style-type: none">-Describe the synthesis of polymers
Synthetic polymers and the environment	<ul style="list-style-type: none">-Identify pollution problems caused by synthetic polymers- Describe the methods used to reduce pollution problems caused by synthetic polymers
Carbohydrates	<ul style="list-style-type: none">-Define food and nutritional requirements of human body- List the functions of carbohydrates in the human body-Define and classify carbohydrates-Identify the most important monosaccharides, disaccharides and polysaccharides
Lipids	<ul style="list-style-type: none">-Define and classify lipids-List the functions of lipids in the human body-Identify triglycerides, phospholipids, and cholesterol
Proteins	<ul style="list-style-type: none">-Define proteins-Describe the structures of proteins-Explain denaturation of proteins-List the functions of proteins in the human body