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Chemistry in Everyday Life

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Abstract: We mortal beings are deliberately or intentionally girdled by chemistry. Morning to evening, life to death, it's a big aspect of our day- to- day life. One may suppose that it's a branch of wisdom that deals with chemicals in the lab only but intentionally he she is applying it in diurnal workshop. We find its use in the food we eat, drawing chemicals, the air we breathe and, every object we touch. Literally, pupil's chemistry education takes place in lectures and books, lab playing with instruments and chemicals and they do n't see the applicability in their everyday life. Understanding the significance of chemistry in our regular life is most important in our technological and competitive society.

Index Terms - Chemistry, Chemicals, Education, Additives, Reaction.

I. INTRODUCTION

With the modernization in eduaction, the study on chemistry has been increased and its operation on day to day life has been increased. Peoples in the history used to use chemistry in diurnal life without knowing it as there does n't use to be further exploration and study. The principle of chemistry is a benefit for humanity. Foods we eat do have chemistry. They comprise organic composites like carbohydrates, bounce and sugar, protein, and lipids (Garforth,1986). Other nutrients like vitamins and minerals and water are each important chemical composites. The respiration process which includes input of oxygen and junking of carbon dioxide is used by the factory for photosynthesis. We use chemistry in the digestion of food in the alimentary conduit which uses enzymes to break food into bitsy absorbable motes. Likewise, cuisine is also a chemical response.

II. APPLICATIONS

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1. Toothpaste

Do we wonder that what chemicals are on the paste that cleans and shines our teeth and protects it from origins? We've seen and used numerous kinds of toothpastes like Colgate, Pepsodent, Dabur Red. What people in ancient times used to clean teeth? So toothpaste uses chemicals like Fluoride, Triclosan, Saccharin, Carrageenan, Aspartame, Parabens, Sodium Lauryl Sulfate & Sodium Laureth Sulfate, Propylene Glycol(Childs, 1986).

Fig : Environment Issues

2. Soap/Detergent

We used to feel surprised how cleaner cleans our hand and kill origins present in our hand? The cleaner contains some chemicals to do this exertion so it's the operation of chemistry in our diurnal life. Likewise, soap acts as a surfactant and helps to wash clothes. The cleaner contains adipose acid eg. Steric, oleic, palmitic acid, and strong alkali and soap contain Sodium Lauryl Sulfate & Sodium Laureth Sulfate, Phosphates, etc. They act as an emulsifier.

Fig : **Soap/Detergent**

3. Food Preservatives

Food preservatives cover food from decaying and spoiling by bacteria and other microorganisms. swab, sugar, canvases , and sodium benzoate are common in our ménage.

Fig : Food Preservatives

4. Cosmetics

They increase the appearance of our body. Powders, canvases , beeswax, scents, nail polish mascaras are generally used and they contain chemicals that can harm us too. They contain polymers, detergents, grease, petroleum canvases , colorings, colors,etc.

Fig : Cosmetics

5 Drugs and medicine

Chemistry is veritably important for medication of the drug. Medicine is prepared by the use of several chemicals in a definite rate using titration. Medicine interact inside our body with a macromolecular target and produce natural response (ASE, 1985). Chemistry is also used to measure the quantum of sodium, potassium, and numerous other rudiments. Blood and urine analysis is done with the help of chemistry. Chemistry is veritably important for medication of the drug. Medicine is prepared by the use of several chemicals in a definite rate using titration. Medicine interact inside our body with a macromolecular target and produce natural response (ASE, 1985). Chemistry is also used to measure the quantum of sodium, potassium, and numerous other rudiments. Blood and urine analysis is done with the help of chemistry.

Fig : Drugs and medicine

6 Agriculture

Agriculture is veritably important for our survival. We get food from it. We use diseases and germicide to increase the fertility of the soil and cover crops from pests, rats, and locusts. Diseases and germicides contain chemicals like hydrogen cyanide, naphthalene, nicotine, and methyl platitude, etc(Hosteller, 1983)

Fig : Agriculture

7 Oxidation

The food we take is oxidized in our stomach and produces energy which is used to do work in our diurnal life.

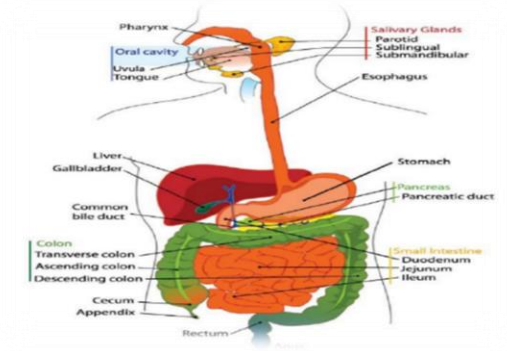

Fig : Oxidation

6 Industries and transport

Diligence like petroleum diligence, cloth manufactories, lather manufactories, food diligence, and numerous others use energies and chemical products for power product and recycling the products. Vehicles like buses , motorcars, aeroplanes use petrol and diesel to produce energy and run them. So chemistry paved the way for modernization in diurnal.

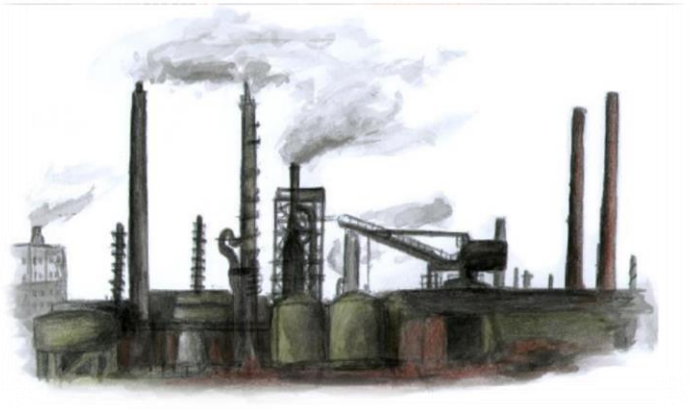

Fig : Industries and transport

7 **Science and Technology**

Currently nuclear energy is the content of study. The destruction of the snippet lemon in Hiroshima and Nagasaki are results of chemistry. Reactors are easing through energy generation by chain responses. Forensic Science uses the law of chemistry for analysis. Tele- dispatches, IT, Space operations also use the chemistry of semiconductors and nano- tubes.

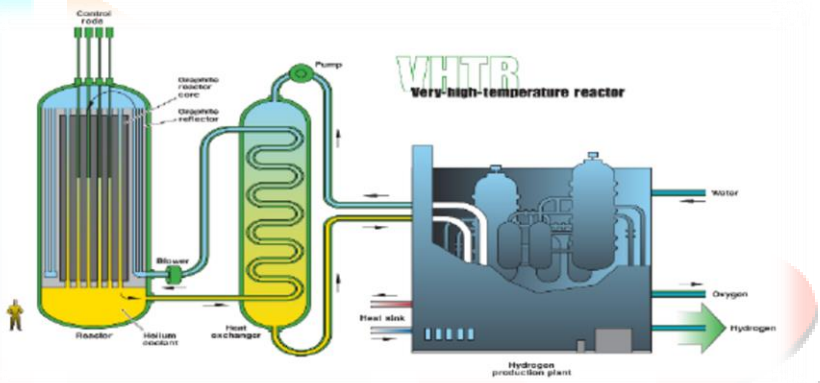

Fig : Science and Technology

8 Environment Issues

Environmental issues arising presently like pollution, global warming, UV radiation, and the product of dangerous chemicals can be answered by the education of chemistry. Chemistry is important there because they're results of chemistry so the terrain can be saved by chemistry.

Fig : Environment Issues

Conclusion

Therefore the diurnal life chemistry is the theme of wisdom which is each around us every nanosecond in every position and there isn't any deficit of exemplifications to prove this fact. Without chemistry, our life is insolvable so it's one medium to live a better life and better doing. So it's a must-have for everyone to learn and enjoy. Hence effective and good use of chemistry is the need of this ultramodern technological world.

Acknowledgment

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15. http://chemistry.about.com/od/chemistry101/f/importanceofchemistry.htm Chemistry is present in every aspect of life, and here we can see a few examples. There are articles about the chemistry of everyday life, and also a few about physics, as it's also present in our daily life.