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## Word making by linguistics of alphabets reflects on elemental catenation of periodic table to produce creativity

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*Renowned academician Prof. Dr. Dhrubo Jyoti Sen has completed his B.Sc. (Hons) (1987) from Patna University, Patna & B.Pharm. (Hons) (1992), M.Pharm. (1994) & Ph.D. (2001) from Jadavpur University, Calcutta and now working as a professor of pharmaceutical chemistry at Shri Sarvajanik Pharmacy College, Mehsana, Gujarat. Prof. Sen as head of the Department of Pharmaceutical Chemistry of Shri Sarvajanik Pharmacy College, Mehsana, Gujarat has more than 15 years of teaching experience and 6 years of research experience as senior research fellow in pharmaceutical and chemical science, has published 256 articles in national and international peer-reviewed journals of high impact factor and editorial board member/advisor of 40 international peer-reviewed journals. He is the author of 160 abstracts of national/international conferences and also the author of 16 books. He has guided 42 MPharm research projects and 33 BPharm elective projects and guided 2 PhD projects. He is also the paper setter & examiner of 10 Indian universities for B.Pharm., M.Pharm. & Ph.D. He is also the recipient of 23 awards of hallmark of excellence in his running academic career both from India and abroad. Prof. Sen, the Chartered Chemist (2005) from Royal Society of Chemistry, UK is the first person in India from pharmacy field to bag prestigious Chartered Scientist award (2012) from Royal Society of Chemistry, UK. He is the Fellow of Indian Chemical Society (1995), Fellow of Institution of Chemists, India (2003) and Fellow of Royal Society of Chemistry, UK (2011). He is the first person who has bagged Jewel of India award twice (2009 & 2014) from pharmacy field in India. He is the recipient of research grant (£2000) from Royal Society of Chemistry, UK (2009) and from AICTE, New Delhi (Rs.1400000/-) (2011-12) and travel grants from Royal Society of Chemistry, UK (£450) and AICTE, New Delhi (Rs.50800/-) for attending international conferences in Sheffield, UK and Florida, USA (2004 & 2008). His biography has been included in Marquis Who's Who in the world, USA (2011) & Leading Educators of the World-2011 and Top 100 Educators-2011, UK. His field of expertise is on green chemistry synthesis of newer Mannich base & Schiff base derivatives of indan, oxadiazole, pyrazole, piperidinone, thiazolidine, dihydropyrimidine, azetidinone, quinazoline, quinoxaline, imidazole, benzimidazole, benzotriazole, pyrazolo-triazine, tetrahydropyrimidine and caffeine derivatives having anti-inflammatory, sedative-hypnotic, antihypertensive, antioxidant, antidiabetic, antimalarial, antiviral, antifungal and antimicrobial property in the same molecule in synthetic field on molecular latentiation, bioisosterism and repository form of indan derivatives and their intramolecular Mannich base heterocyclic adducts and their pharmacological and toxicological activities and chromatographic separation of enantiomeric racemic mixtures of both acidic and basic properties. He has worked on COX-1 and COX-2 inhibitory effects of synthesized as well as herbal extracts including green chemistry synthesis in ionic liquid and kinetic studies.*

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**Theme:** *The quick brown fox jumps over the lazy dog* is a sentence which contains every **26** English alphabets.

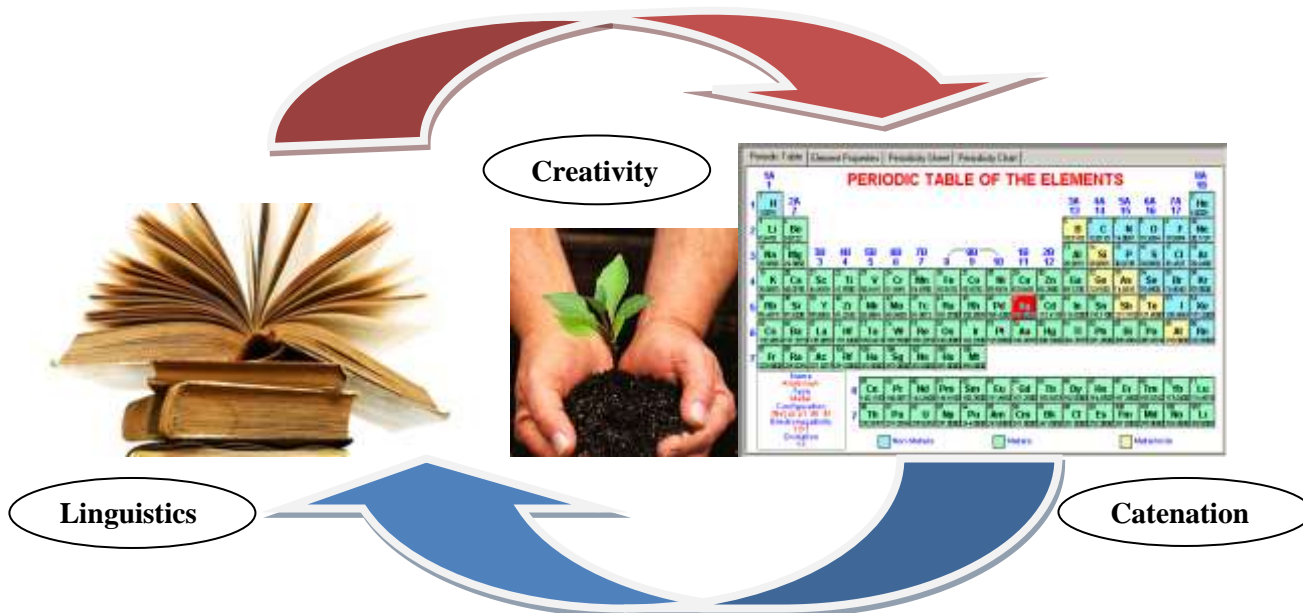
*Pneumonoultramicroscopicsilicovolcanoconiosis* is a largest English word of **45** letters. English alphabet has twenty-six letters, which on specific organization produces numbers of words, which on

definite synchronization produce sentence, which on perfect sequencing produce a chapter and arrangement of chapters produce a book! Similar way there are twenty three amino acids found in nature which on definite sequencing produce gene and arrangement of genes produce chromosomes which reflect towards the creativity of animals as

well as human as well as plants. Mystery of this creation is only based on amino acid the building block of specific entity and fragmentation of these amino acids give carbon, hydrogen, nitrogen, oxygen and sometimes sulfur. All these elements are family member of periodic table arranged according to the atomic radius created by Mendeleev's rule; the great scientist created by God. Similarly all the other non-living beings are also made up of either single element or the complex compound of these elemental atoms only. *Eunoia* (goodwill), is six letters long, is the shortest word in the English language that contains all 5 main vowels: a/e/i/o/u. *Rhythm* is a longest word without vowels.<sup>[1]</sup>

No matter it is word making or body building; both are intensely embedded with the binary numbers: for word making it is 26 alphabets and for plants/animals body building it is 23 amino acids. Linguistic property of alphabets produce words similarly catenation of amino acids produce chromosomes to create enormous entities. Matters are of two types: living & non-living. Living matters include plants and animals (flora & fauna) whereas non-living matters are anything without life either made by single element (metals & non-

metals) and multiple elements (domestic and non-domestic commodities). There is nothing in this world which is free from chemistry. Periodic table elements combine with each other according to quantum mechanics to produce varieties of single or multiple entities. Creativity of Almighty God is reflected towards the chemical science which is really a wonderful chapter under which new molecules are being generated and destructed in regular basis. Any substance either solid or liquid or gas all are made up of some specific element of chemistry arranged in an organized chemical bonding in three dimensional matrix to shape the creation. The rocking coinage for Chemistry is Chemist+Try! So try & try & try until you reach to your target to become a real & successful chemist"! The last three letters (TRY) is the mystery in the history of chemistry. The devotion of true chemist towards the field of science, technology, education and industry create an inspiration to the budding fellows. The methodology of a chemist for implementation of basic chemistry into in-house (domestic) as well as out-house (profession) makes a milestone among the entire chemistry professionals. Innermost thought of this article has been implemented as outermost thinking.



$$\text{Linguistics (11)} > \text{catenation (10)} = \text{creativity (10)} > \text{alphabets (9)}$$

How, When, Where & Why are four basic concepts of chemical science which is the inner eye of chemistry because chemistry is a playground of functional groups. Functional groups of organics are polar/non-polar groups and for inorganics are cations/anions which can conjugate with each other to build the structural framework whereas in

linguistics the alphabets combine to produce the statement. There is not a single subject in chemical science which is free from chemistry; similarly there is not a single book which is free from letters/words/sentences/paragraphs/chapters to form pages to shape a book. Implementation of book knowledge to chemical design and

implementation of chemical or biological design into book both *vice-versa* are totally dependent of linguistics as well as catenation of 118 elements of periodic table.<sup>[2]</sup>

This relationship shows that catenation and creativity both are of same letters (10) because both act *vice-versa* and play their role under superior linguistics (11) and inferior alphabets (9) because micro thought alphabets are foundation of all to build a macro thought coronation. All the words are made by alphabets to produce different meaningful strategies just like periodic table elements combine to produce chemical moieties! Say for linguistics example: WORD....add **L** in between **R/D** it will be WORLD (globe) and add **S** after it then it will be SWORD (weapon). Say for catenation example:

CATION....remove **C** from first and put in between **A/T** will produce ACTION because any cation is always in action to add with anion to produce SALT and letter rearrangement of this word by changing catenation property will produce LAST (creativity) and CREATIVITY word after letter rearrangement in between can produce REACTIVITY which can produce so many chemical molecules! Body building unit through chromosomes is DNA (Deoxy Ribonucleic Acid) and rearrangement of this word produce NDA (New Drug Application) and again rearrangement produce AND which is the joining part of two sentences! PATIENT word means an unhealthy person and removing of **I** produce PATENT which is a process to customize any new CREATIVITY!

#### References:

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