

Name _____ Group _____

Chemistry 2nd Semester
Review 4th Period exam

1.- Identify as organic or inorganic

a)KCl b)C₂H₆O c)CaCl₂ d)CO₂ e)NaCN f)CH₄

2.- Identify the following properties as organic or inorganic

a)soluble in water b)burns in air c)low boiling point d)contain C
e)form ionic bond f) form isomers g)high boiling point h)can be used as fuel

3.- True or false

a)Carbon atoms can bond with other carbon atoms any number of times
b)Carbon atomic number is 4
c)Carbon forms 4 covalent bonds
d)Carbon can bond with many elements, metals and nonmetals

4.- Identify the following as alkane, alkene or alkyne



5.- Identify as saturated or unsaturated



6.- Give the name of the following alkyl groups

a)-CH₃ b)-CH₂-CH₃ c)-CH₂-CH₂-CH₃ d) CH₃-CH-CH₃

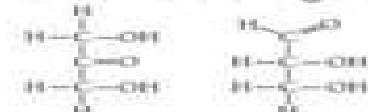
7.- What are aliphatic hydrocarbons.

8.- Identify as hydrocarbon or derivate of hydrocarbon

a)CH₃-Cl b)CH₃-CH₂-CH₃ c)CH₃-COOH d)CH₃-CH=CH-CH₃
e)CH₃-O-CH₃ f)C₆H₆ g)CH₃-CH=O

9.- What are isomers?

10.- Do the following molecules represent isomers? Explain.



11.- Circle the functional group and identify the class or family.

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Final Report: Sources and documentation United States. Advisory Committee on Human Radiation Experiments,1995
The Chemical News and Journal of Industrial Science William Crookes,James H. Gardiner,Gerald Druce,H. W. Blood-Ryan,1895 **A Study of Interests and Their Relations to Other Factors of Achievement in the Elementary School Subjects** A. V. Smith,Edward Joseph Westenberger,Marie Cecelia McGrath,Mary Callixta,Paul Hanly Furfey,Robert Thomas Rock,Sister Marie Cecilia Mangold,Sister Mary Columba,Sister Mary Immaculata,Sister Mary Irmina,Sylvester Schmitz,Thomas George Foran,William Dollard Commins,1925 **Chemical News and Journal of Industrial Science**,1885 **The Chemical News : and Journal of Physical Science** ,1885 *The Universal tutor* London gen. corresp. coll,1894 *Journal of Education and School World* ,1895 **School & Society** James McKeen Cattell,Raymond Walters,1947 *The 1984 Guide to the Evaluation of Educational Experiences in the Armed Services* American Council on Education,1984 *College and University* ,1954 Includes proceedings of the association s annual convention **The Teachers Journal and Abstract** ,1929 **Abstracts of Research on Instructional Television and Film** Donald W. MacLennan,J. Christopher Reid,1964 *School Science and Mathematics* ,1927 **The Detroit Educational Bulletin** Detroit (Mich.). Board of Education,1929 *The Journal of Education* ,1900 *Chemical News and Journal of Industrial Science* ,1927 **The Medical Directory** ,1889 **OECD Reviews of Evaluation and Assessment in Education: Denmark 2011** Shewbridge Claire,Jang Eunice,Matthews Peter,Santiago Paulo,2011-10-27 This book provides for Denmark an independent analysis of major issues facing the educational evaluation and assessment framework current policy initiatives and possible future approaches *Introduction to Forensic Chemistry* Kelly M. Elkins,2018-09-03 Chemistry Forensic Science Forensic chemistry is a subdiscipline of forensic science its principles guide the analyses performed in modern forensic laboratories Forensic chemistry s roots lie in medico legal investigation toxicology and microscopy and have since led the development of modern forensic analytic techniques and practices for use in a variety of applications Introduction to Forensic Chemistry is the perfect balance of testing methods and application Unlike other competing books on the market coverage is neither too simplistic nor overly advanced making the book ideal for use in both undergraduate and graduate courses The book introduces chemical tests spectroscopy advanced spectroscopy and chromatography to students The second half of the book addresses applications and methods to analyze and interpret controlled substances trace evidence questioned documents firearms explosives environmental contaminants toxins and other topics The book looks at innovations in the field over time including the latest development of new discernible chemical reactions instrumental tools methods and more Key features Nearly 300 full color figures illustrating key concepts and over 20 case studies Addresses all the essential topics without extraneous or overly advanced coverage Includes full pedagogy of chapter objectives key terms lab problems end of chapter questions and additional readings to emphasize key learning points

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