Organic Chemistry Crossword

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| **Across**  **3.** A molecule that can be bonded to other identical molecules to form a polymer  **5.** The chemical name for burning  **8.** A substance that increases the rate of a chemical reaction without itself undergoing any permanent chemical change  **13.** An organic acid containing the carboxyl group, -COOH.  **16.** The temperature at which a substance boils and turns to vapour  **17.** A compound which have the same molecular formula but a different structural formula  **18.** The conversion of glucose by microorganisms such as yeast into ethanol and carbon dioxide.  **19.** A group of molecules attached to a backbone chain of a long molecule  **20.** a sweet smelling chemical made by reacting an alcohol with an organic acid | **Down**  **1.** A mixture of hydrocarbons present under the earth's crust as a black sticky liquid  **2.** A process that separates the components in a mixture on the bases of their different boiling points  **4.** The breaking down of long chain hydrocarbon molecules a catalyst to produce smaller hydrocarbon molecules and/or hydrogen.  **6.**  A formula which shows how the atoms are arranged in a molecule  **7.** Organic compounds made up from the elements hydrogen and carbon only  **9.** Used for fractional distillation of crude oil.  **10.** Reaction of alkenes with hydrogen, water or bromine  **11.** A family of organic compounds with members of the family having the same functional group and similar chemical properties  **12.** A very large molecule built up of a number of repeating units called monomers  **14.** Hydrocarbon having the general formula CnH2n+2  **15.** Hydrocarbon that contains one or more carbon-carbon double bonds. Alkenes with only one carbon-carbon double bond have the general formula CnH2n |