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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Fuels and Heats

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| **Across**  **4.** A compound with at least one double c-c bond is a member of which family  **5.** another word for knocking or pinking  **7.** this fraction contains petrol  **12.** A compound with Only Hydrogen and Carbon atoms is described as a....  **16.** A bomb ? measures the energy in foods and fuels/  **17.** This fraction contains jet fuel.  **18.** The word used to describe Carbon atom that form a ringed structure? ?-hexane is an example  **19.** This number is a measure of a fuels tendency to cause or avoid knocking  **23.** A compound that has at least one double or triple bond is described as: U....  **24.** The first member of the family with the general formula CnH2n+2  **25.** The word used to describe the geometry of a carbon atom that has all single bonds  **27.** The first member of the CnH2n-2 family  **28.** The best chemistry teacher! Mr...  **29.** A compound with a Benzene ring in its structure is described as: A....  **30.** There is a LAW named after this scientist, used in heat calculations.  **33.** Crude oil, gas and ? are the main sources of hydrocarbon fuels  **34.** A compound that has carbons with all single bonds is described as: S....  **35.** The process of separating crude oil is fractional ?  **36.** Compounds with the same molecular formulas but different structural formulas. | **Down**  **1.** A hydrocarbon with a straight chain, branch or cyclic ring in its structure is described as: A....  **2.** The prefix given to a main chain of 3 carbon atoms  **3.** creating rings from a straight chain  **6.** The word used to described families that have the same general formula  **8.** The fourth member of the family with the general formula CnH2n+2  **9.** The scientific word for burning  **10.**  The word used to describe the geometry of a carbon atom that has a double or triple bonds  **11.** Making smaller compounds from a larger one  **13.** A compound with at least one C-C triple bond is a member of which family  **14.** The unit that heat energy is measured in  **15.** a reaction that absorbs heat  **20.** The first member of the family with the general formula CnH2n  **21.** A method for producing Hydrogen gas.  **22.** changing the structure of a compound without changing its formula.  **26.** a reaction that releases heat  **31.** The type of water is used to test from the presence of a double or triple bond in a compound. It is also the name of an element.  **32.** A compound with all C-C single bonds is a member of which family |