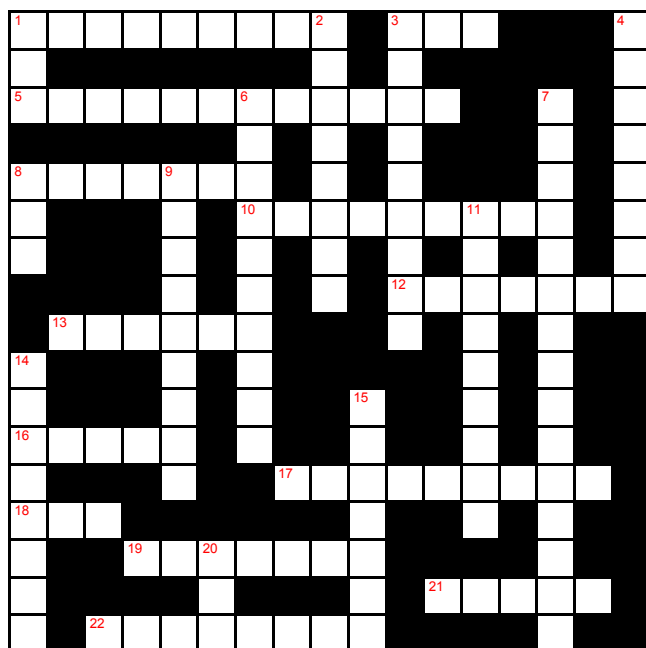


# Fuels\_17x17\_2008-10-13

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## Across

- 1 Extreme low-temperature storage. (9)
- 3 A standard unit for measuring heat energy. (3)
- 5 Any process used to convert a feedstock to a gaseous fuel. (12)
- 8 Plant materials and animal waste used as fuel. (7)
- 10 Fuel additive containing hydrogen, carbon and oxygen in their molecular structure. (9)
- 12 Also known as Ethyl Alcohol. (7)
- 13 Occurs in natural gas; used in the manufacture of rubber and fuels. (6)
- 16 That, which can negatively affect human health or the environment. (5)

- 17 Made (alcohol) unfit for drinking without impairing usefulness for other purposes. (9)
- 18 Any vehicle designed to operate on at least one alternative fuel. (3)
- 19 Basic aromatic compound derived from petroleum and used to increase octane. (7)
- 21 A class of organic compounds containing an oxygen atom linked to two organic groups. (5)
- 22 A term that denotes products that are suitable for transmission by pipeline. (8)

## Down

- 1 Natural gas that has been compressed under high pressure and held in a container. (3)
- 2 A substance that initiates or accelerates a chemical reaction without itself

being affected. (8)

- 3 A biodegradable fuel, produced by transesterification of organic oils and fats, for use in diesel engines. (9)
- 4 Cell that produces electricity by oxidation of fuel (hydrogen and oxygen or zinc and air); for use in electric cars. (4,4)
- 6 High molecular weight alcohols used with methanol to improve water tolerance and reduce other negative characteristics of conventional fuels. (2-8)
- 7 Fuels considered to be substantially not petroleum and yielding substantial energy security and environment benefits. (11,4)
- 8 Group of aromatic hydrocarbons benzene, toluene and xylene. (3)
- 9 Hydrocarbons based on

the ringed six-carbon benzene series or related organic groups. (9)

- 11 Without water; especially without water of crystallization. (9)
- 14 Also known as Methyl Alcohol, Wood Alcohol, CH3OH. (8)
- 15 A six-carbon aromatic. (7)
- 20 Natural gas that has been condensed to a liquid by cryogenic cooling. (3)