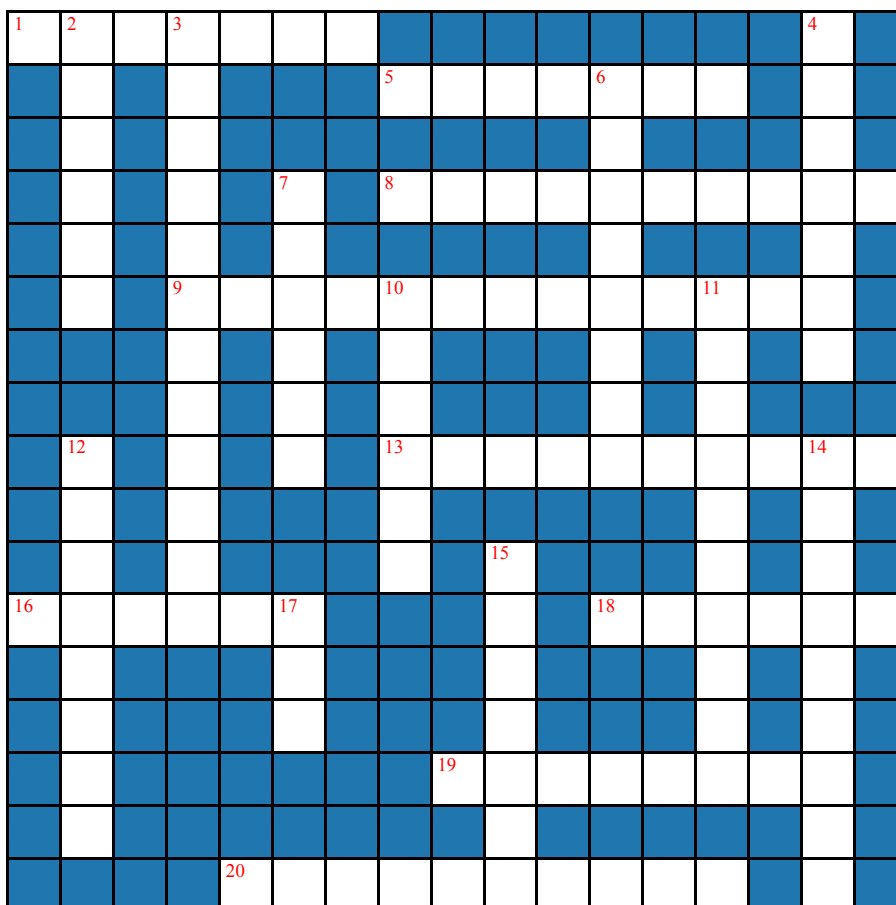


## Fossil fuels



### Across

- 1 This alkane has the smallest hydrocarbon molecules (7)
- 5 The homologous series of hydrocarbons with carbon-carbon double bonds (7)
- 8 Type of distillation used to separate crude oil into useful mixtures of hydrocarbons (10)
- 9 Carbon compound produced by the complete combustion of a hydrocarbon (6,7)
- 13 This sort of gas is a cause of global warming (10)
- 16 Oil, coal and natural gas are examples of this type of fuel (6)
- 18 Element found in impurities in fuels that is a cause of acid rain (6)
- 19 Type of bond between atoms in hydrocarbon molecules (8)
- 20 Another name for burning (10)

### Down

- 2 Poly(ethene) is made from molecules of this alkene (6)
- 3 Compounds of hydrogen and carbon only (12)
- 4 The homologous series of hydrocarbons with only covalent bonds only between their carbon atoms (7)
- 6 Gas in the atmosphere that reacts with oxygen in engines to produce pollutants (8)
- 7 Crude oil and natural gas can rise through this sort of rock. (6)
- 10 Fuels react with this gas when they burn. (6)
- 11 Type of combustion that happens in a limited supply of air or oxygen (10)
- 12 Small molecules that can join together to make larger polymer molecules (8)
- 14 Like being wet through in the rain - alkanes are described as this word (9)
- 15 A liquid that flows easily is not very ... (7)
- 17 Relative boiling points of hydrocarbons with the smallest molecules (3)