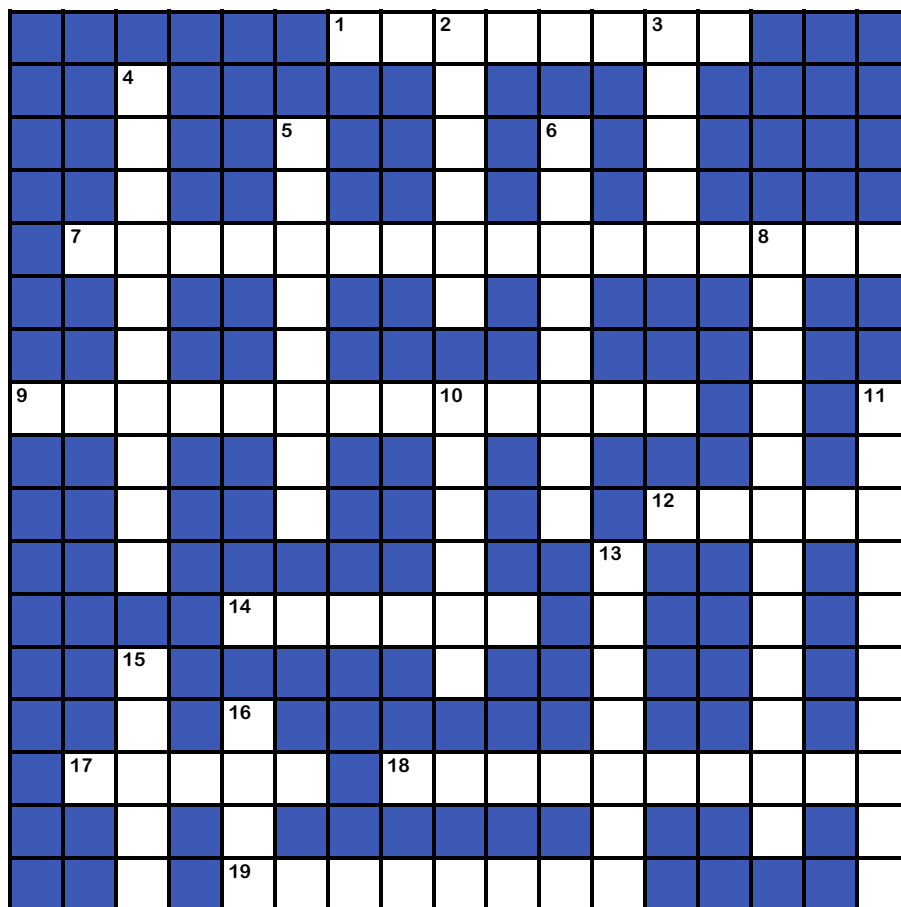


## The Chemical Families Crossword



### Across

- 1 Salt-formers found in a group (8)
- 7 These form coloured compounds (10,6)
- 9 Use chlorine to kill bacteria here (8,5)
- 12 Concentrated sodium chloride solution (5)
- 14 Group 7 elements are not these (6)
- 17 Type of bonding in compounds of groups 1 and 7 (5)
- 18 These are not heavy tulips - you can find argon and krypton in these (5,5)
- 19 Flammable gas released when sodium reacts with water (8)

### Down

- 2 The state of bromine at room temperature (6)
- 3 Strange Duran Duran singer found in group 0 gases (5)
- 4 Alkalis formed when group 1 elements react with water (10)
- 5 During electrolysis of brine, chlorine definitely forms at this electrode (8)
- 6 The charge found on halide ions (5,3)
- 8 Common name for group 1 elements (6,6)
- 10 The colour of iodine vapour (6)
- 11 Chlorine does this to damp litmus paper (8,2)
- 13 Superman's gas? (7)
- 15 Lithium, sodium and potassium do this when added to water (5)
- 16 The melting points of transition metals are this (4)