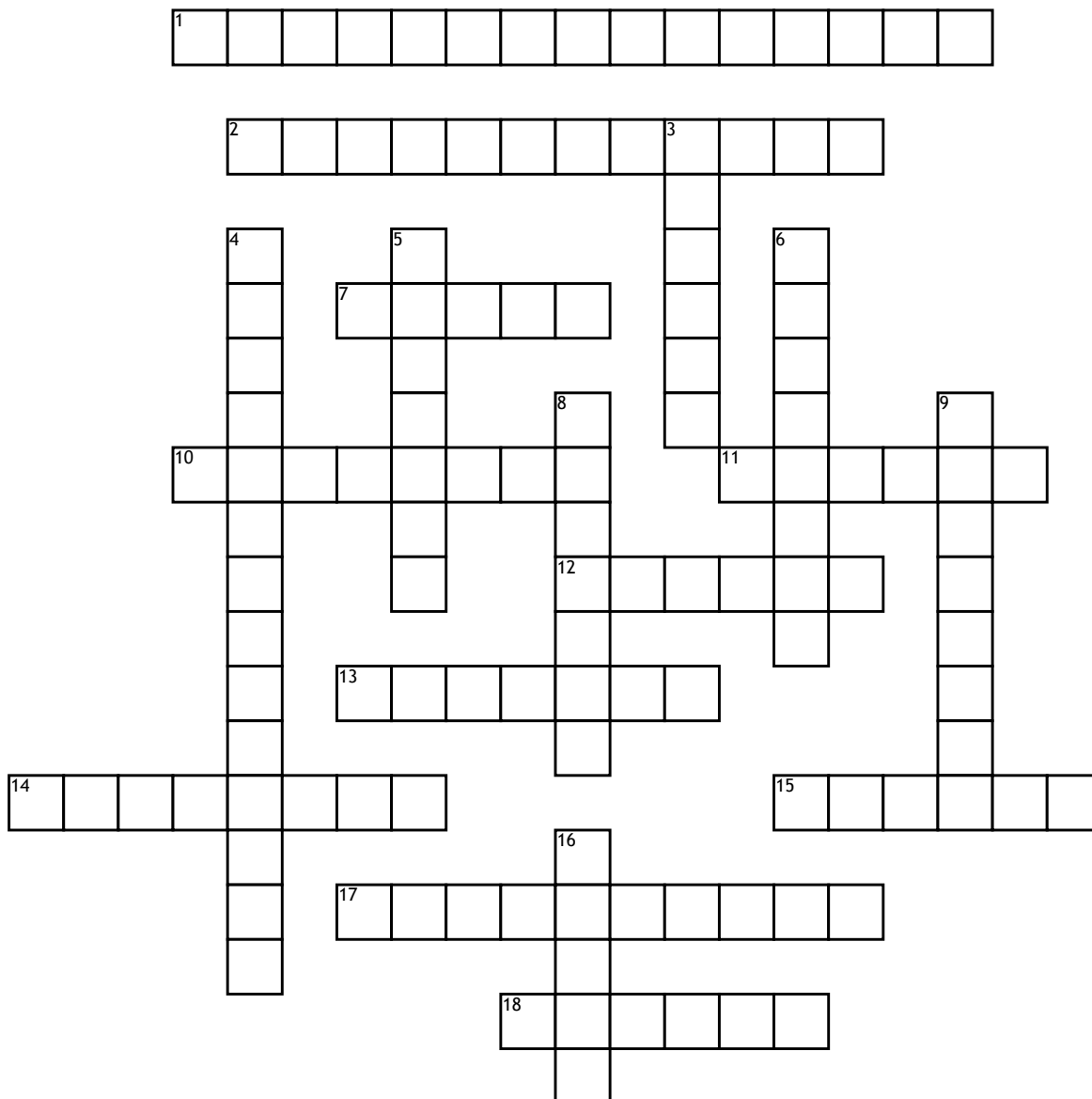


Analysis: testing for ions



Across

- 1. Chemical added to test for copper (Cu²⁺) ion
- 2. How to test for the purity of water
- 7. Colour of flame when testing for barium (Ba²⁺) ion
- 10. A substance that can be used for the wire when doing a flame test
- 11. The ion that gives a yellow-orange flame colour
- 12. The gas that relights a glowing splint

- 13. The ion that gives a brick red colour in a flame test
- 14. The gas that turns damp blue litmus red, then bleaches it
- 15. The type of flame that must not be used on a Bunsen to do a flame test
- 17. The chemical that must be added before silver nitrate, to avoid a false positive result
- 18. Ions tested for using silver nitrate

Down

- 3. The colour with sodium hydroxide of an Fe³⁺ ion
- 4. A chemical used to test for the presence of water
- 5. Ion that gives a cream precipitate with silver nitrate
- 6. The gas that gives a squeaky pop with a lit splint
- 8. The gas that turns damp red litmus blue
- 9. Ion tested for using barium chloride
- 16. The colour of the flame with a potassium (K⁺) ion