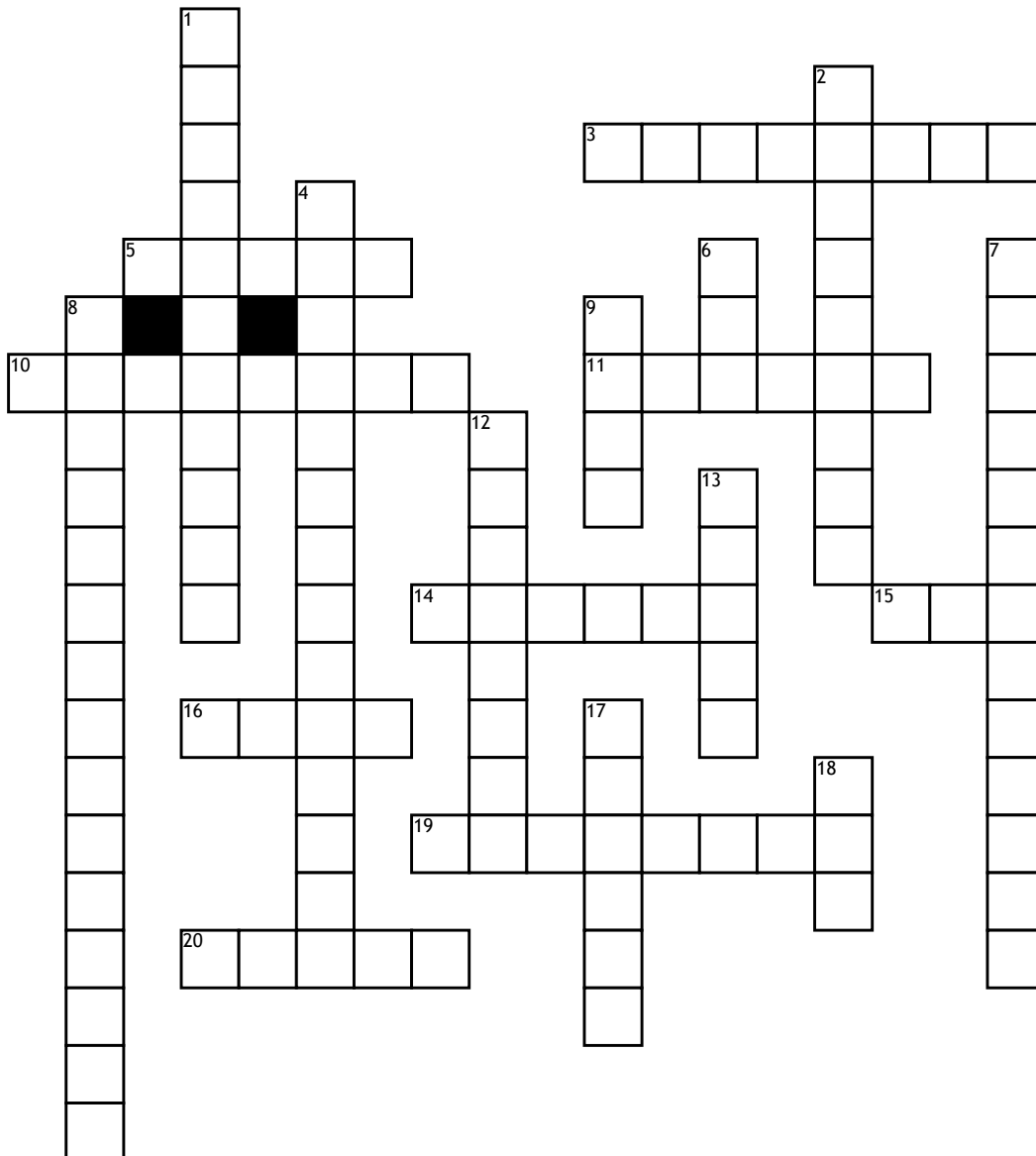


# Testing for ions



## Across

3. These ions are formed from ammonia
5. Potassium is what colour in a flame test?
10. The charge on metal ions is always...
11. The test for ammonia involves heating the compound with NaOH it turns damp red \_\_\_\_\_ blue
14. To test for these ions we add silver chloride and a yellow precipitate is formed
15. What colour are lithium ions in a flame test?

16. reddish brown is the colour of the compound formed by \_\_\_\_\_(III) ions

19. The charge on non-metal ions is always...

20. Fe(II) ions form a ..... compound in reaction with NaOH

## Down

1. A solid formed in solution
2. Some metal hydroxides are \_\_\_\_\_ in solution
4. To test for sulfates we add..
6. The type of flame required for flame tests is
7. Carbonate ions produce this gas when reacted with acid...

8. A solution of this compound can be added metal ions to form an insoluble salt

9. The colour of the solid formed when reacting NaOH and Cu(II) ions is..

12. To test for these ions we add silver chloride and a white precipitate is formed

13. Barium is not an ion covered by the syllabus but use focused learning to identify its colour in a flame test.

17. Sodium is in table salt and if you cook and the salt falls on to a gas hob you will see the flames turn..

18. The colour of calcium in a flame test is brick \_\_\_\_\_?