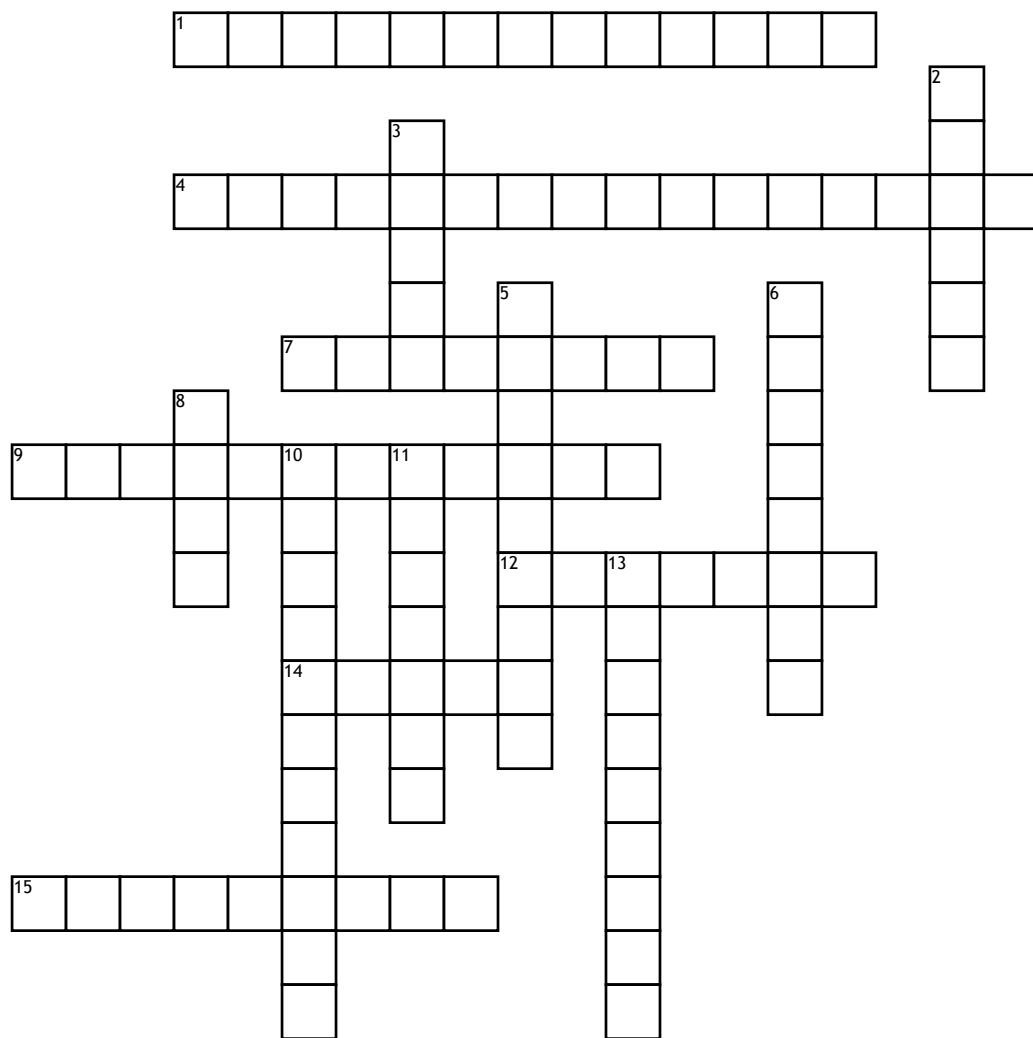


Name: _____

Date: _____

Topic 4 Chemistry



Across

1. Reagent used to test for halide ions
4. What reagent is used to test for carbonate ions
7. What happens to solubility of group 2 metal hydroxides as you go down group 2
9. Which acid is nichrome wire dipped in to show a clear flame in flame test
12. As well as the silver nitrate test for halide ions, which other reagent may be used to test for halide ions

14. Which ions are formed in the decomposition of group 2 metal carbonates

15. Thermostability of group 2 carbonates down the group

Down

2. Which element may mask the metal ion colour in the flame test
3. Colour of flame from potassium ion
5. What happens to the solubility of group 2 metal sulphates as you go down group 2

6. Chloride ions are good for the flame test as they are...

8. In what medical test is barium meal used for

10. Organic solvent that shows colour of silver halide ions more clearly

11. Which group 1 metal nitrate decomposes when heated

13. Which group 2 metal hydroxide is used as an antacid

Word Bank

Silver nitrate

X-ray

Lithium

Decreases

increases

cyclohexane

lilac

ammonia

magnesium

hydrochloric

Increase

volatile

sodium

calcium hydroxide

oxide