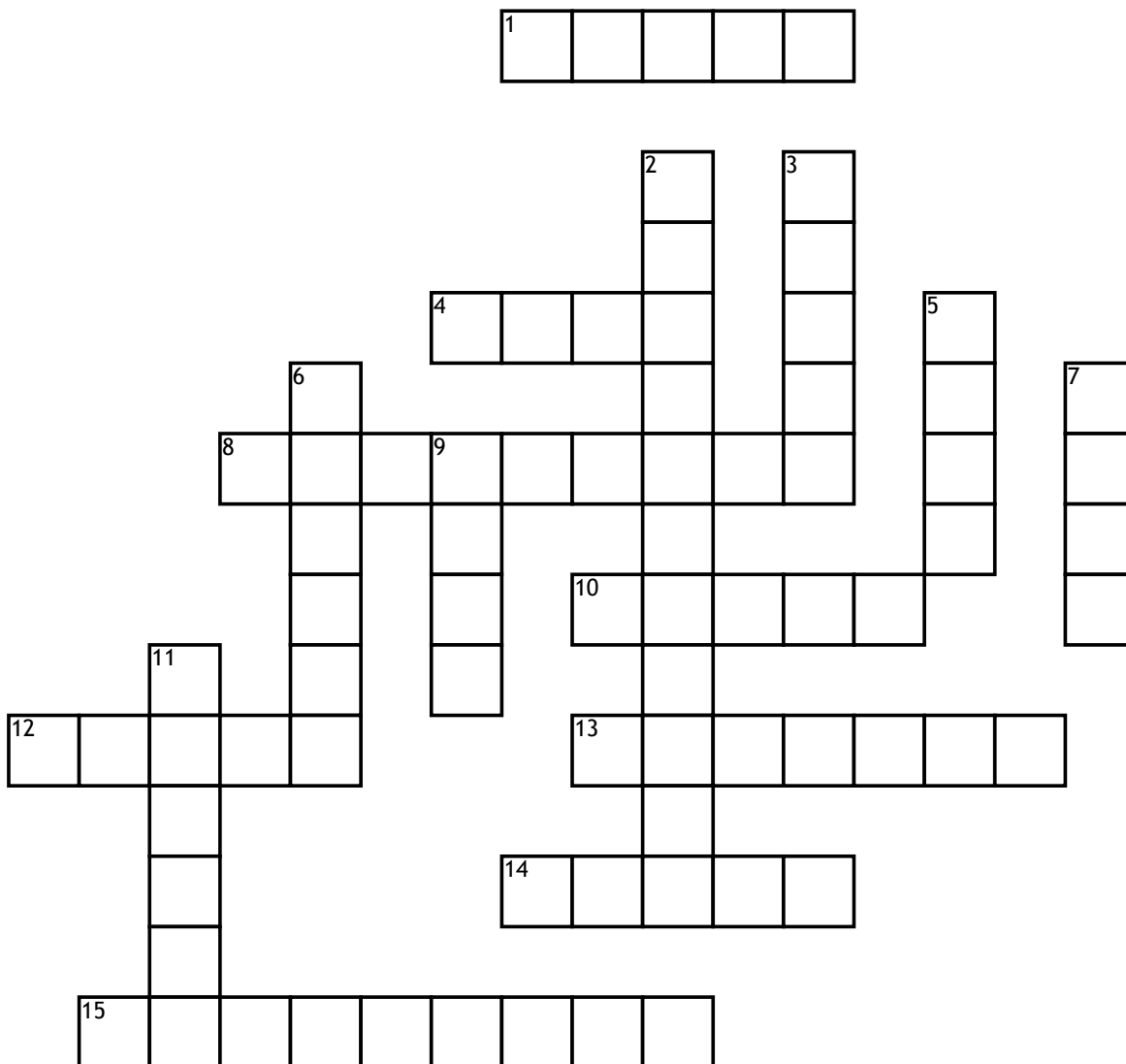


Finding the composition of unknown samples



Across

- 1. When carbon dioxide is bubbled through lime water the lime water turns _____
- 4. The presence of copper is shown in a sodium hydroxide test by the appearance of a _____ coloured precipitate
- 8. Produces a Lilac flame during the flame test
- 10. The flame test of an unknown solid should generally be carried out _____? (Hint: Think in terms of the order of tests)

- 12. If sulphate ions are present in a sample, a _____ precipitate will form when mixed with hydrochloric acid and barium chloride.
- 13. Zinc and _____ produce a white precipitate in a sodium hydroxide test
- 14. The presence of Iron(II) is shown in a sodium hydroxide test by the appearance of a _____ coloured precipitate
- 15. A brown precipitate in a sodium hydroxide test indicates the presence of _____

- 3. If Bromide is present in a sample, during a halide test a _____ coloured precipitate will form
- 5. When using a wire loop for the flame test, it is dipped in _____ to clean it
- 6. When testing for halide ions, a Yellow precipitate indicates the presence of _____
- 7. The flame test of an unknown solution should generally be carried out _____? (Hint: Think in terms of the order of tests)
- 9. Carbonate ions are detected using an _____
- 11. _____ ions react with Halide ions to form insoluble precipitates

Down

- 2. A _____ is a solid in liquid