

## FORMULAE OF IONIC COMPOUNDS

Deduce the formulae for the following ionic compounds using the cut-outs of ions to help you.

- |                         |       |                         |       |
|-------------------------|-------|-------------------------|-------|
| 1. sodium bromide       | _____ | 26. calcium chloride    | _____ |
| 2. zinc sulphate        | _____ | 27. sodium sulphate     | _____ |
| 3. potassium bromide    | _____ | 28. lithium oxide       | _____ |
| 4. iron(III) chloride   | _____ | 29. iron(III) oxide     | _____ |
| 5. lithium carbonate    | _____ | 30. zinc hydroxide      | _____ |
| 6. sodium sulphide      | _____ | 31. sodium sulphate     | _____ |
| 7. ammonium chloride    | _____ | 32. ammonium sulphate   | _____ |
| 8. iron(II) iodide      | _____ | 33. barium carbonate    | _____ |
| 9. lithium nitrate      | _____ | 34. copper(II) nitrate  | _____ |
| 10. calcium hydroxide   | _____ | 35. iron(III) hydroxide | _____ |
| 11. aluminium oxide     | _____ | 36. aluminium bromide   | _____ |
| 12. copper(II) bromide  | _____ | 37. copper(II) oxide    | _____ |
| 13. barium oxide        | _____ | 38. iron(II) iodide     | _____ |
| 14. iron(II) nitrate    | _____ | 39. lithium sulphide    | _____ |
| 15. sodium carbonate    | _____ | 40. sodium chloride     | _____ |
| 16. ammonium hydroxide  | _____ | 41. ammonium carbonate  | _____ |
| 17. iron(III) sulphide  | _____ | 42. iron(III) sulphate  | _____ |
| 18. silver sulphate     | _____ | 43. silver nitrate      | _____ |
| 19. magnesium nitrate   | _____ | 44. magnesium bromide   | _____ |
| 20. potassium carbonate | _____ | 45. potassium oxide     | _____ |
| 21. silver chloride     | _____ | 46. silver sulphide     | _____ |
| 22. magnesium sulphide  | _____ | 47. magnesium sulphate  | _____ |
| 23. aluminium sulphate  | _____ | 48. iron(II) nitrate    | _____ |
| 24. calcium nitrate     | _____ | 49. barium hydroxide    | _____ |
| 25. zinc bromide        | _____ | 50. silver carbonate    | _____ |

Total = 50 marks