

## Answers

- |       |       |
|-------|-------|
| 1. C  | 14. C |
| 2. D  | 15. B |
| 3. C  | 16. A |
| 4. D  | 17. C |
| 5. A  | 18. C |
| 6. D  | 19. C |
| 7. D  | 20. D |
| 8. B  | 21. A |
| 9. A  | 22. C |
| 10. A | 23. A |
| 11. B | 24. C |
| 12. D | 25. A |
| 13. D |       |

## Short Answer

1.

(a) Ethanoic acid will have the lowest conductivity, because it is a weak acid and has few ions in solution

(b) NaOH is a strong base. It will have the highest pH.

(c)  $\text{H}_2\text{SO}_4$  will have the highest conc. of ions even though the second ionisation is incomplete

2.