CAMBRIDGE HOUSE GRAMMAR SCHOOL REVISION CHECKLIST

YEAR 10: CHEMISTRY

Winter 2026

Your Winter Examination will assess your knowledge and understanding of the topics listed (below).

Use this checklist to help you with your revision and identify any gaps in your knowledge.

This list covers the key areas for revision; it is for guidance only – other questions may be asked from the Safety, Atomic Structure and Acids topics

I can:	✓	✗
1. Recall hazard symbols and know about safety in the lab		
Topic 1: Atomic structure:		
2. Describe the position and properties of subatomic particles		
3. Define the terms 'atomic number' and 'mass number'		
4. Work out the number of protons, neutrons and electrons in atoms		
5. Explain why atoms are neutral		
6. Write electronic configurations for the first 20 elements		
7. Explain what 'ions' are and how they are formed		
8. Be able to explain how to practically carry out 'flame tests' to test for ions		
9. Know the colours of flames produced by different ions		
10. Work out the charge on ions		
11. Define 'isotopes' and identify isotopes from the number of protons and neutrons		
Topic 2: Acids and Alkalis		
12. Describe general properties of acids and alkalis		
13. Name some common acids and alkalis, including those used in the lab		
14. Explain the difference between using litmus indicator and universal indicator		
15. Use results from indicator tests to identify substances as acids, alkalis or neutral and give strength and pH		