

# Chemistry Foundation Assessment checklist

| Subject<br>Combined Chemistry |  | Paper<br>Chemistry Paper One<br>(foundation)  | Duration<br>1 hour and 15 minutes |
|-------------------------------|--|---|-----------------------------------|
| What to revise                |  | How to revise it  |                                   |
| 1                             | Atomic structure and the periodic table – atoms, elements and compounds      | <a href="https://www.bbc.com/bitesize/guides/zy4pmsg/revision/1">https://www.bbc.com/bitesize/guides/zy4pmsg/revision/1</a><br>Oxford Revise revision and practice – page 180 |                                   |
| 2                             | Atomic structure and the periodic table – mixtures                           | <a href="https://www.bbc.com/bitesize/guides/z3jy6yc/revision/1">https://www.bbc.com/bitesize/guides/z3jy6yc/revision/1</a><br>Oxford Revise revision and practice – page 180 |                                   |
| 3                             | Atomic structure and the periodic table – atomic structure                   | <a href="https://www.bbc.com/bitesize/guides/zwn8b82/revision/1">https://www.bbc.com/bitesize/guides/zwn8b82/revision/1</a><br>Oxford Revise revision and practice – page 180 |                                   |
| 4                             | Atomic structure and the periodic table – the periodic table                 | <a href="https://www.bbc.com/bitesize/guides/zwt2k2p/revision/1">https://www.bbc.com/bitesize/guides/zwt2k2p/revision/1</a><br>Oxford Revise revision and practice – page 210 |                                   |
| 5                             | Atomic structure and the periodic table – groups in the periodic table       | <a href="https://www.bbc.com/bitesize/guides/ztrxdxs/revision/1">https://www.bbc.com/bitesize/guides/ztrxdxs/revision/1</a><br>Oxford Revise revision and practice – page 210 |                                   |
| 6                             | Bonding, structure and the properties of matter – the three states of matter | <a href="https://www.bbc.com/bitesize/guides/zwsdgdM/revision/1">https://www.bbc.com/bitesize/guides/zwsdgdM/revision/1</a><br>Oxford Revise revision and practice – page 190 |                                   |
| 7                             | Bonding, structure and the properties of matter – ionic compounds            | <a href="https://www.bbc.com/bitesize/guides/ztc6w6f/revision/1">https://www.bbc.com/bitesize/guides/ztc6w6f/revision/1</a><br>Oxford Revise revision and practice – page 200 |                                   |
| 8                             | Bonding, structure and the properties of matter – small molecules            | <a href="https://www.bbc.com/bitesize/guides/z373h39/revision/1">https://www.bbc.com/bitesize/guides/z373h39/revision/1</a><br>Oxford Revise revision and practice – page 190 |                                   |
| 9                             | Bonding, structure and the properties of matter – giant covalent molecules   | <a href="https://www.bbc.com/bitesize/guides/zgq8b82/revision/1">https://www.bbc.com/bitesize/guides/zgq8b82/revision/1</a><br>Oxford Revise revision and practice – page 190 |                                   |
| 10                            | Bonding, structure and the properties of matter – metals and alloys          | <a href="https://www.bbc.com/bitesize/guides/ztgY6yc/revision/1">https://www.bbc.com/bitesize/guides/ztgY6yc/revision/1</a><br>Oxford Revise revision and practice – page 201 |                                   |
| 11                            | Quantitative chemistry – calculations in chemistry                           | <a href="https://www.bbc.com/bitesize/guides/z2bfxfR/revision/1">https://www.bbc.com/bitesize/guides/z2bfxfR/revision/1</a><br>Oxford Revise revision and practice – page 220 |                                   |
| 12                            | Chemical changes – reactions of metals                                       | <a href="https://www.bbc.com/bitesize/guides/zy7dgdM/revision/1">https://www.bbc.com/bitesize/guides/zy7dgdM/revision/1</a><br>Oxford Revise revision and practice – page 230 |                                   |
| 13                            | Chemical changes – acids, alkalis and salts                                  | <a href="https://www.bbc.com/bitesize/guides/ztv2dxs/revision/1">https://www.bbc.com/bitesize/guides/ztv2dxs/revision/1</a><br>Oxford Revise revision and practice – page 231 |                                   |
| 14                            | Chemical changes - electrolysis  | <a href="https://www.bbc.com/bitesize/guides/z9h9v9q/revision/1">https://www.bbc.com/bitesize/guides/z9h9v9q/revision/1</a><br>Oxford Revise revision and practice – page 240 |                                   |
| 15                            | Energy changes- endothermic and exothermic reactions                         | <a href="https://www.bbc.com/bitesize/guides/z2b2k2p/revision/1">https://www.bbc.com/bitesize/guides/z2b2k2p/revision/1</a><br>Oxford Revise revision and practice – page 250 |                                   |

Atomic structure and the periodic table exam practice questions

<https://www.bbc.com/bitesize/guides/zyndcj6/revision/1>

Bonding, structure and the properties of matter exam practice questions

<https://www.bbc.com/bitesize/guides/z99pmsg/revision/1>

Quantitative chemistry exam practice questions <https://www.bbc.com/bitesize/guides/zwwyh39/revision/1>

Chemical changes exam practice questions <https://www.bbc.com/bitesize/guides/z22gfcw/revision/1>

Energy changes exam practice questions <https://www.bbc.com/bitesize/guides/zxxcv9q/revision/1>

Please also use Seneca and/or Kerboodle for more practice questions. Make sure you select only the topics listed above.