

National 5 Biology – past paper source questions

| Cell Biology | Standard Grade Biology – Credit | | | Intermediate 2 Biology | | |
|------------------------------------|---|-----------------------|----------------------|---|---|---|
| | 2013 | 2012 | 2011 | 2013 | 2012 | 2011 |
| Cell structure | | | | 2013 B Q1(a) | 2012 A Q1 2012 A Q2 | 2011 B Q1(a) i & ii & (c) |
| Transport across cell membranes | 2013 7(b) ii | 2012 Q8 | 2011 Q8(a) & (b) | 2013 B Q1(b) i & ii 2013 B Q4(a) i, ii & iii | 2012 A Q3 2012 B Q4 | 2011 A Q2 |
| Producing new cells | | 2012 Q9 | 2011 Q8(c) & (d) | | | |
| DNA and the production of proteins | | | | 2013 B Q9(a) | | 2011 B Q7(c) |
| Proteins and enzymes | 2013 Q8(b) i & ii | 2012 Q17(a) & (c) | | 2013 A Q19 2013 A Q2 | 2012 C Q1(a) 2012 A Q6 2012 B Q2(a) | 2011 A Q18 2011 B Q1(b) 2011 B Q4 |
| Genetic engineering | 2013 Q14(a) | | | | 2012 B Q7 | 2011 A Q13 |
| Photosynthesis | 2013 Q5(a) ii & (b) | 2012 Q5(b), (c) & (d) | | 2013 B Q5 | 2012 C Q1(b) | 2011 A Q5 2011 A Q7 |
| Respiration | | 2012 Q14(c) | | 2013 A Q5 | 2012 B Q3(a) i 2012 A Q5 2012 B Q3(a) ii, (b) i, ii & iii 2012 B Q9(b) | 2011 B Q2(a) 2011 A Q1 2011 A Q3 2011 A Q4 |
| Multicellular Organisms | Standard Grade Biology - Credit | | | Intermediate 2 Biology | | |
| | 2013 | 2012 | 2011 | 2013 | 2012 | 2011 |
| Cells, tissues and organs | This topic did not appear in recent past papers | | | | | |
| Stem cells and meristems | This topic did not appear in recent past papers | | | | | |
| Control and Communication | | 2012 Q4(a) | 2011 Q14(c) | 2013 A Q24 2013 A Q25 | 2012 B Q12(a) | 2011 B Q12(a) 2011 A Q23 2011 B Q12(b) i & ii |
| Reproduction | | | | 2013 A Q13 | 2012 B Q8(a) & (c) | |

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|---|--|----------------------------------|-------------------------|--|--|--|
| Variation and Inheritance | 2013 Q12 | 2012 Q16(a) | 2011 Q15 (a), (b) & (c) | 2013 B Q8 | 2012 A Q13 2012 A Q14 2012 A Q15 | 2011 A Q11 2011 Q14 2011 Q15 2011 B Q7(a) |
| The need for transport | 2013 Q9(a) & (b) | 2012 Q13(b) 2012 Q5(a) | 2011 Q7(c) | 2013 A Q22 2013 A Q23 2013 B Q10 2013 B Q11(a) i & ii & (b) i & iii | 2012 A Q17 2012 A Q19 2012 A Q21 2012 A Q25 2012 B Q9(a) iii 2012 B Q11 | 2011 A Q19 2011 A Q22 2011 B Q11(a) & (b) |
| Effects of lifestyle choices on human transport and exchange systems | This topic did not appear in recent past papers | | | | | |
| Life on Earth | Standard Grade Biology - Credit | | | Intermediate 2 Biology | | |
| | 2013 | 2012 | 2011 | 2013 | 2012 | 2011 |
| Biodiversity and the distribution of life | | | 2011 Q6 2011 Q1(a) | 2013 A Q9 | 2012 A Q9 | 2011 B Q5(d) |
| Energy in ecosystems | 2013 Q1 2013 Q3(b) | 2012 Q1(a) i 2012 Q2(b) & (c) | 2011 Q2 | 2013 A Q11 2013 A Q12 | 2012 B Q6 | 2011 A Q12 2011 A Q16 2011 B Q5(a), (b) & (c) 2011 C Q1 |
| Sampling techniques and measurement of abiotic and biotic factors | | | 2011 Q1b | | | |
| Adaptation, natural selection and the evolution of species | | | | 2013 B Q6 | | 2011 A Q10 |
| Human impact on the environment | This topic did not appear in recent past papers | | | | | |
| Resources | | | | | | |
| SQA past papers www.sqa.org.uk/pastpapers/findpastpaper.htm | Additional National 5 assessment support material is available here: Education Scotland www.educationscotland.gov.uk/ There is an online textbook from Preston Lodge HS https://sites.google.com/a/edubuzz.org/nat5biopl/ | | | | | |