**NCEA past examination questions on structural formula (Level 3)**

|  |  |  |
| --- | --- | --- |
| ethyl hexanoate | 4-methylhexanal | 2-methylpropan-1-amine |
| butylethanoate |  2-hydroxybutanal  | propyl methanoate |
| 3-bromopentan-2-one | 2-methylbutanal | propanamine |
| propanamide | propanone | propanal |
| aminomethane | pentan-2-one | butanal |
| **a secondary alcohol**C4H10O | ethanamide | propyl propanoate |
| **a carboxylic acid** C4H8O2 | N-ethylbutanamide | 1-chlorobutane |
| 2-amino-3-methylbutane |

|  |
| --- |
| 4-chlorobutanoic acid |

 |

|  |
| --- |
| C5H11OH a branched-chain secondary alcohol |

 |
|

|  |
| --- |
|  C5H11OH a branched chain tertiary alcohol |

 | N-methyl butanamide | pentanal |
| 2-methylpropyl methanoate |

|  |
| --- |
| ethanoyl chloride |
|  |
|  |

 | 2-methylpropan-1-amine |

|  |  |  |
| --- | --- | --- |
| 2-chloropropan-1-ol | 2-methylbutanal | 2-chloropentanal |
| 2-amino-2,3-dimethyl butane | An acid chloride with 4 carbon atoms | An amino acid with 3 carbon atoms |
| butanamide | propanoyl chloride | trans isomer of C4H8O |
| cis isomer of C4H8O | pentan–2–one | ethanoyl chloride |

© <https://www.chemical-minds.com>

NCEA questions and answers reproduced with permission from NZQA