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

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| 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 |

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| 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 |

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