**ANSWERS: IUPAC naming**

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|  |  | propan-2-amine / 2-aminopropane*amine* |
| 2,3-dimethylbutane*alkane* | Ethanamine/aminoethane *amine* | 3-ethylpentane*alkane* |
| pentan-2-ol*alcohol* |  5-chloropent-1-ene*alkene* | 2-methylhex-2-ene*alkene* |
| pent-1-ene*alkene* | 3-methylbutan-2-ol*alcohol* | 2-iodohexane*haloalkane* |
| 1-aminopropane*amine* | 3-methylhexan-2-ol*alcohol* | 2-bromopropane*haloalkane* |
| 1-aminopentane*amine* | 3-methylhexanoic acid*carboxylic acid* | 2,4-dichlorohex-3-ene*alkene* |
| propylamine or 1-aminopropane or 1-propanamine*amine* | 2-chloropropan-1-ol*alcohol* | 3-methylhexane*alkane* |
| 2,2-dichloropropane*chloroalkane/haloalkane* | 5-bromo-2-methylpentanoic acid*carboxylic acid* | Methanamine or aminomethane*amine* |
| Chemistry 22-choropentane*chloroalkane/haloalkane* | propyne***alkyne*** | pentanoic acid*carboxylic acid* |
| Chemistry 2propanoic acid*carboxylic acid* | 2-methylbutane***alkane*** | 1-aminobutane***amine*** |
| **Chemistry 2**3, 4- dimethylpent-2-ene*alkene* | **1-bromobutane*****bromoalkane/haloalkane*** | Pent-2-yne (2-pentyne)***alkyne*** |
| 1,2-dichlorobutane*chloroalkane/haloalkane* | **Q1, Comp A, 90309**1,2–dibromobutane*bromoalkane/haloalkane* | 3-methylbutan-1-ol*alcohol* |
| 2-methylbutan-1-ol*alcohol*  | fluoroethanoic acid (2-fluoroethanoic acid)*carboxylic acid* | Q1, Comp B 90309pent–2–yne*alkyne* |
| 2,2 dimethyl propan-1-olor dimethyl propanolor dimethylpropan-1-ol*alcohol* | 3,3-dimethylbutanoic acid*carboxylic acid* | Q1, Comp C, 90309propanoic acid*carboxylic acid* |
| 90309q4aamethylbutane or 2-methylbutane*alkane* | 90309q1(i)**1-chloropropane*****chloroalkane/haloalkane*** | 90309q1-1butan−2−ol / 2-butanol ***alcohol*** |
| 90309q4ab3–chlorobutan-2-ol *alcohol* | **90698q1a**1-amino-3-methylbutane***amine*** | 90309q1-23-chlorobutanoic acid***carboxylic acid*** |
| **90309q4ad**2–bromopropene*alkene* | 2-aminobutanoic acid*amine* | 90309q4aepentanoic acid*carboxylic acid* |

**1.** 

Numbering of the chain starts from the end that carries the main functional group, the double bond. Once counted from this end, the number of the double bond and chlorine change.

2-chloro-3-methylpent-1-ene.

**2.**

|  |  |
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| **90309q2aass** 2-chloro-4-ethylpentane | The longest chain contains 6 C atoms not 5. The correct name is 2-chloro-4-methylhexane |

**3.**



alcohol (or hydroxy)

alkene (or any other double bond circled)

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