ANSWERS: Additional **questions on Isomers**

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| 1.  trans-1,2-dichlorobut-2-ene | cis-1,2-dichlorobut-2-ene |

2. methylbutane and dimethylpropane

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| 3. File:Cis-1,2-dichloroethene.png  cis-1,2-dichloroethene | File:Trans-1,2-dichloroethene.png  trans-1,2-dichloroethene | http://upload.wikimedia.org/wikipedia/commons/thumb/7/70/1%2C1-Dichloroethene.svg/500px-1%2C1-Dichloroethene.svg.png  1,1-dichloroethene |

4.

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| Pentan-1-ol Isomer of Pentanol  pentan-1-ol | | 3-methylbutan-1-ol Isomer of Pentanol  2-methylbutan-2-ol | |  |
| Pentan-2-ol Isomer of Pentanol  pentan-2-ol | | Pentan-3-ol Isomer of Pentanol  pentan-3-ol | | 2-methylbutan-1-ol Isomer of Pentanol  2-methylbutan-1-ol |
| 3-methylbutan-1-ol Isomer of Pentanol  3-methylbutan-1-ol | 2-methylbutan-3-ol Isomer of Pentanol  2-methylbutan-3-ol  or  3-methylbutan-2-ol | | 2,2-dimethylpropanol Isomer of Pentanol  2,2-dimethylpropanol | |

5. A: butan-1-ol

B: butan-2-ol;  
C: (2-)methylpropan-2-ol or 2-methyl-2-propanol  
D: (2-)methylpropan-1-ol;

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