

Which is the odd one out? (Organic)

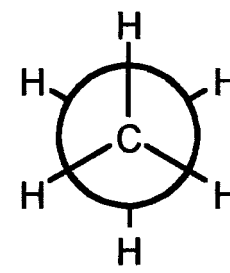
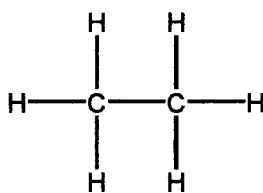
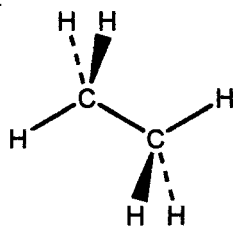
Part 1

For each question, one of the three alternatives has been selected as the odd one out and is underlined. Give as many chemical reasons why it's the odd one out as you can.

1. Ammonia, hydroxide, chloride

2. Hydrogen chloride, oxygen, bromine

3.

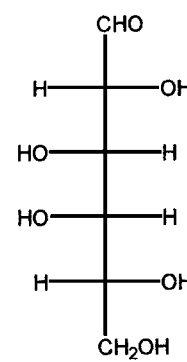
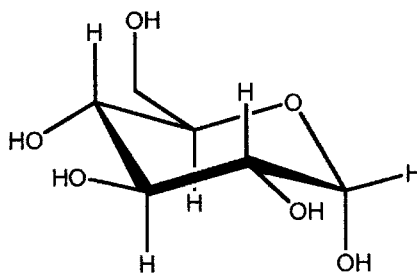
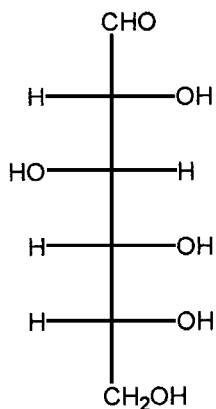


4. Amide, nitrile, amine

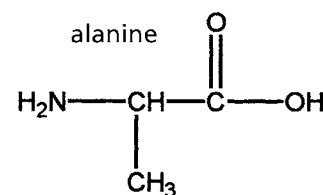
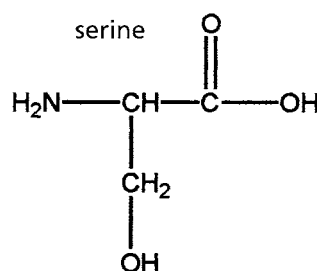
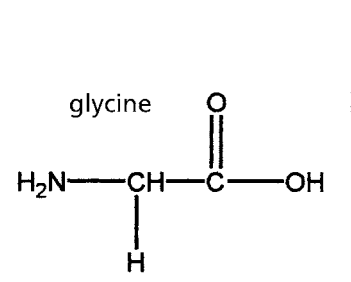
5. Ethanol, benzene, ethene

6. Butan-2-ol, propan-2-ol, pentan-2-ol

7.

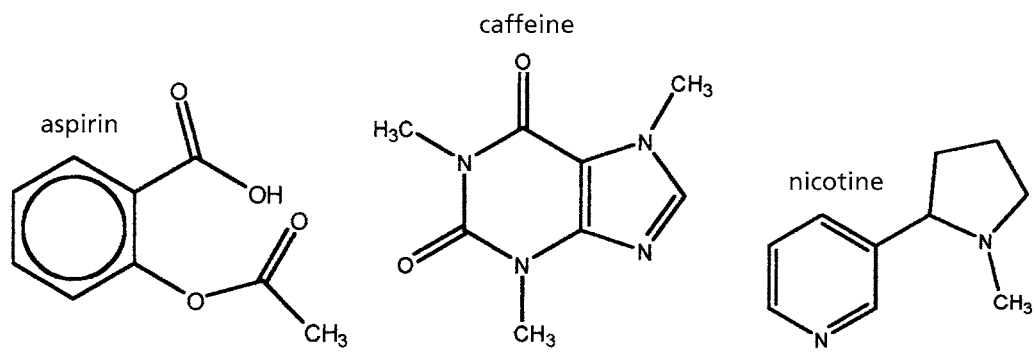


8.



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9.



10. Propan-1-ol, propylamine, propanal

11. Ethylpropoxide, ethylpropanoate, N-ethylpropanamide

12. LiAlH_4 , $\text{Zn} + \text{HCl}$, $\text{K}_2\text{Cr}_2\text{O}_7 + \text{H}_2\text{SO}_4$

13. Poly(ester), poly(ethene), poly(tetrafluoroethene)

14. Reflux, distillation, solvent extraction

Part 2

Now go back over the list and see if you can justify a different choice for the odd one out with a good chemical reason.

Part 3

Now devise your own sets of three and try them out on the others in your group.