

For each of the following names, draw the appropriate structure and name which functional group it belongs to.

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|----------------------------------|---------------------------|
| 1. Pentyl propanoate             | 2. 2-heptanamine          |
| 3. 3,4-dimethylhexanamide        | 4. Ethanamide             |
| 5. 3-bromo-4-chloro-2-butanamine | 6. Ethyl methanoate       |
| 7. 2-methylbutanamide            | 8. 5-chloro-3-heptanamine |
| 9. Ethyl benzoate                | 10. Butyl pentanoate      |
| 11. 3-bromobutanamide            | 12. 1-propanamine         |

What are the different possibilities of pentanamine? (Hint: think isomers...)

For each of the following structures, identify the IUPAC name. Also, name which functional group it belongs to.

