

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

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|-----------------------------|----------------------------------|
| 1. Butanoic acid            | 2. Butanone                      |
| 3. Ethanal                  | 4. 3-pentanone                   |
| 5. 3-bromo-4-chloropentanal | 6. 4,4-dimethyl-2-pentanone      |
| 7. 2-ethylbutanoic acid     | 8. 6-chloro-3-heptanone          |
| 9. 3-methylpentanal         | 10. 3-phenylpropanal             |
| 11. 5,5-diphenyl-3-octanone | 12. 2,4-dichloro-3-ethylpentanal |

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

