

Carbonyl Compounds Quiz



Here are 30 fill-in-the-blank questions on the IUPAC naming and molecular formulas of carbonyl compounds:

1. The molecular formula of **Methanal** is _____.
2. The IUPAC name of CH_3CHO is _____.
3. The molecular formula of **Propanal** is _____.
4. The IUPAC name of $\text{CH}_3\text{CH}_2\text{CH}_2\text{CHO}$ is _____.
5. The molecular formula of **Butanal** is _____.
6. The IUPAC name of CH_3COCH_3 is _____.
7. The molecular formula of **Pentanal** is _____.
8. The IUPAC name of $\text{CH}_3\text{CH}_2\text{COCH}_3$ is _____.
9. The molecular formula of **Hexanal** is _____.
10. The IUPAC name of $\text{CH}_3(\text{CH}_2)_4\text{CHO}$ is _____.
11. The molecular formula of **Heptanal** is _____.
12. The IUPAC name of $\text{CH}_3(\text{CH}_2)_5\text{CHO}$ is _____.
13. The molecular formula of **Octanal** is _____.
14. The IUPAC name of $\text{CH}_3(\text{CH}_2)_6\text{CHO}$ is _____.
15. The molecular formula of **Nonanal** is _____.
16. The IUPAC name of $\text{CH}_3(\text{CH}_2)_7\text{CHO}$ is _____.
17. The molecular formula of **Decanal** is _____.
18. The IUPAC name of $\text{CH}_3(\text{CH}_2)_8\text{CHO}$ is _____.
19. The molecular formula of **Acetone** is _____.
20. The IUPAC name of $\text{CH}_3\text{CH}_2\text{COCH}_2\text{CH}_3$ is _____.
21. The molecular formula of **Benzaldehyde** is _____.
22. The IUPAC name of $\text{C}_6\text{H}_5\text{CHO}$ is _____.
23. The molecular formula of **Cyclohexanone** is _____.
24. The IUPAC name of $\text{C}_6\text{H}_{10}\text{O}$ is _____.
25. The molecular formula of **3-Pentanone** is _____.
26. The IUPAC name of $\text{CH}_3\text{COCH}_2\text{CH}_3$ is _____.
27. The molecular formula of **2-Butanone** is _____.
28. The IUPAC name of $\text{CH}_3\text{CH}_2\text{COCH}_3$ is _____.
29. The molecular formula of **Acrolein** is _____.
30. The IUPAC name of $\text{CH}_2=\text{CHCHO}$ is _____.

You can fill in the blanks with the appropriate IUPAC names and molecular formulas for each compound. If you would like a key, let me know!