**Pracovní list: Názvosloví nasycených uhlovodíků**

|  |  |
| --- | --- |
| **1.** propan | **2.** 2,2-dimethylbutan |

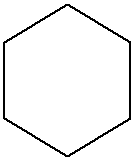
|  |  |  |  |
| --- | --- | --- | --- |
| **3.** | H | **4.** | 2,3,4-trimethylpentan |
|  | | |  |  |
|  | H–C–H |  |  |
|  | | |  |  |
|  | H |  |  |
|  | |  |  |
| **5.** 2,2-dimethylpropan | | **6.** | CH3 – CH3 |

|  |  |
| --- | --- |
| **7.** 2-methylpropan | **8.** 2,2,3,3-tetramethylpentan |

|  |  |  |  |
| --- | --- | --- | --- |
| **9.** CH3–CH–CH–CH3 | | **10.** | CH3 – |
| | | | |  |  |
| CH3 | CH3 |  |  |
|  | |  |  |
| **11.** CH3(CH2)6CH3 | | **12.** | 3-ethylheptan |

|  |  |
| --- | --- |
| **13.** cyklobutan | **14.** pentan |

|  |  |
| --- | --- |
| **15.** 2,2,3.4-tetramethylhexan | **16.** CH3(CH2)8CH3 |



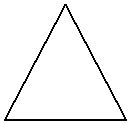
|  |  |
| --- | --- |
| **17.** CH3(CH2)4CH3 | **18.** |

|  |  |
| --- | --- |
| **19.** CH3– CH2– CH2– CH3 | **20.** 2,2,3-trimethylbutan |

|  |  |
| --- | --- |
| **21.** 3-ethyl-4-methylhexan | **22.** methan |

|  |  |
| --- | --- |
| **23.** CH3(CH2)7CH3 | **24.** CH3– CH2– |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **25.** | C4H10 | nerozvětvený | **26.** | CH3–CH–CH2–CH–CH3 | |
|  |  |  |  | | | | |
|  |  |  |  | CH3 | CH3 |
|  |  |  |  |  | |
| **27.** | 3,3-diethylpentan |  | **28.** | CH3− CH − CH− CH2 −CH3 | |
|  |  |  |  | │ | │ |
|  |  |  |  | CH3 | CH3 |
|  |  | |  | | |
| **29.** | CH3–CH2–CH–CH–CH2–CH3 | | **30.** 3-**e**thyl-2-**m**ethylpentan !! abecedně zbytky!! | | |
|  | │ | │ |  |  |  |
|  | CH3 | CH3 |  |  |  |
|  |  |  |  |  |  |
| **31.** |  |  | **32.** | C6H12 | nerozvětvený |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **!33.** | CH3 − CH − CH2 | − CH − CH2 − CH3 | **34.** | 2,5-dimethylhexan |
|  | │ | │ |  |  |
|  | CH3 | CH2 |  |  |
|  |  | │ |  |  |
|  |  | CH3 |  |  |
| **35.** | 3,4-diethylhexan |  | **36.** | CH3(CH2)5CH3 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **37.** propyl | **38.** | H | H | H |
|  |  | | | | | | |
|  |  | H–C–C–C–H | | |
|  |  | | | | | | |
|  |  | H | H | H |
|  |  | |  |  |
| **39.** 3,3-dimethylpentan | **40.** C9H20 | |  | nerozvětvený |

Mi

Milan Haminger, BiGy Brno, 2023©