|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Methan** |  |  |  |  |  | **Ethan** |  |  |  |  |  | **Propan** |  |  |
|  |  | **Butan** |  |  |  |  |  | **Krakování** |  |  |  |  |  | **Polymerace** |  |  |
|  |  | **Alkan** |  |  |  |  |  | **Alken** |  |  |  |  |  | **Alkyn** |  |  |
|  |  | **Aren** |  |  |  |  |  | **Isopren** |  |  |  |  |  | **Acetylen** |  |  |
|  |  | **Aromatický kruh** |  |  |  |  |  | **Benzen** |  |  |  |  |  | **Antracen** |  |  |
|  |  | **Naftalen** |  |  |  |  |  | **Toluen** |  |  |  |  |  | **Styren** |  |  |
|  |  | **Kumen** |  |  |  |  |  | **Ropa** |  |  |  |  |  | **Jednoduchá vazba** |  |  |
|  |  | **Dvojnásobná vazba** |  |  |  |  |  | **Trojnásobná vazba** |  |  |  |  |  | **Oxidace** |  |  |
|  |  | **Chlorace** |  |  |  |  |  | **Cyklohexan** |  |  |  |  |  | **Adice vodíku** |  |  |
|  |  | **Adice halogenu** |  |  |  |  |  | **Redukce** |  |  |  |  |  | **Oxidační činidlo** |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Markovnikovo pravidlo** |  |  |  |  |  | **Radikálová adice** |  |  |  |  |  | **Elektrofilní adice** |  |  |
|  |  | **Nasycené uhlovodíky** |  |  |  |  |  | **Nenasycené uhlovodíky** |  |  |  |  |  | **Uhlovodík** |  |  |
|  |  | **Hoření** |  |  |  |  |  | **Dokonalé spalování** |  |  |  |  |  | **Nedokonalé spalování** |  |  |
|  |  | **Dehydrogenace** |  |  |  |  |  | **Cykloalkany** |  |  |  |  |  | **Neopren** |  |  |
|  |  | **Kaučuk** |  |  |  |  |  | **Aromatický charakter** |  |  |  |  |  | **Uhlovodíkový zbytek** |  |  |
|  |  | **Elektrofilní substituce** |  |  |  |  |  | **Substituenty**  **1. řádu** |  |  |  |  |  | **Substituenty**  **2. řádu** |  |  |
|  |  | **Sulfonace** |  |  |  |  |  | **Alkylace** |  |  |  |  |  | **Acylace** |  |  |
|  |  | **Nitrace** |  |  |  |  |  | **Hydratace** |  |  |  |  |  | **Polymer** |  |  |
|  |  | **Zemní plyn** |  |  |  |  |  | **Benzin** |  |  |  |  |  | **Frakční destilace** |  |  |
|  |  | **Alkadieny** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |