

Laboratórne cvičenie č.

Téma: Uhl'ovodíky – práca s modelmi organ. zlúčenín

Meno a priezvisko: Matúš Matisko

Trieda: 2. B

Úloha: Napíšte vzorce a zostavte modely molekúl:

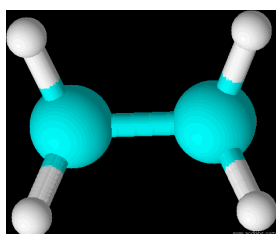
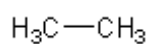
1. Etán
2. Etén
3. Etín
4. Pentán
5. Cyklohexán
6. But-2-én
7. Pent-1-én
8. Propín
9. Benzén
10. Xylén

Pomôcky: stavebnica tyčinkových molekulových modelov

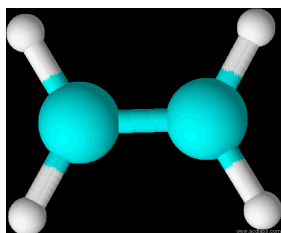
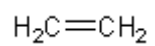
Postup: Zo stavebnice poskladáme modely daných molekúl.

Výsledky:

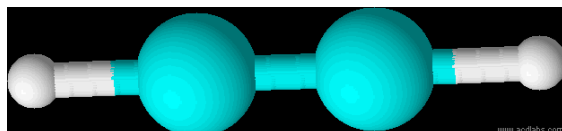
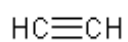
1 etán



2. etén

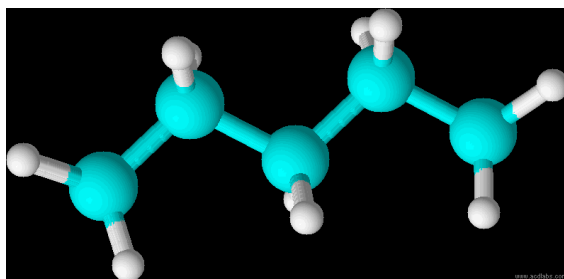
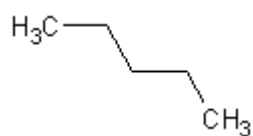


3. etín

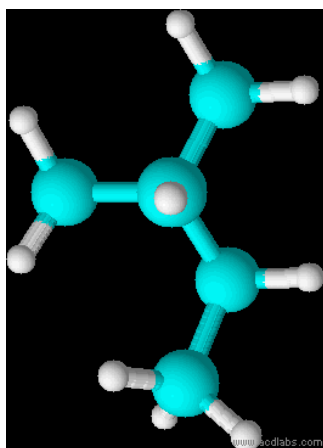
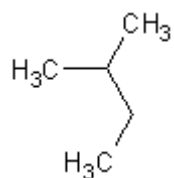


4.

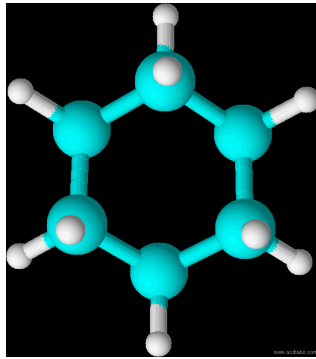
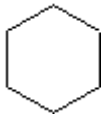
pentán



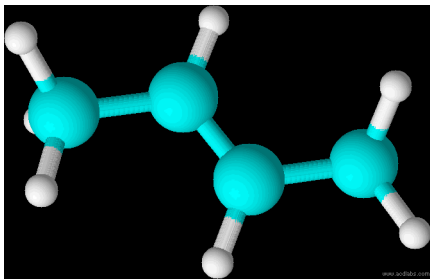
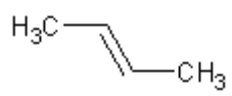
2-metylbután



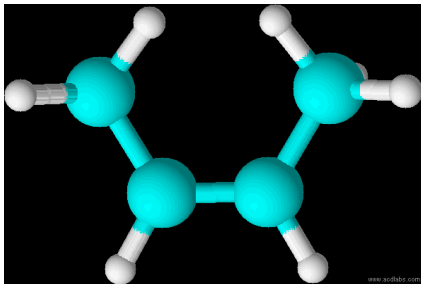
5. cyklohexán



6. but-2-én



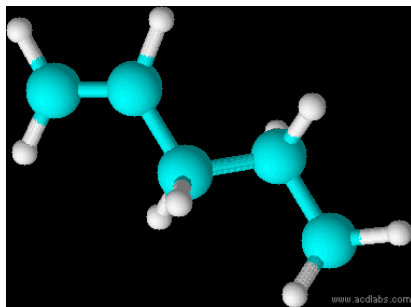
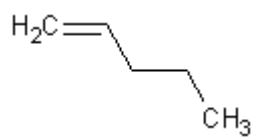
trans/E-izomér



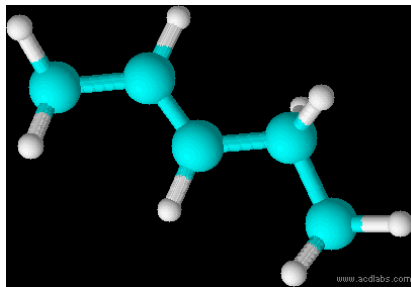
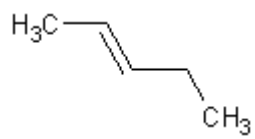
cis/Z-izomér

7. pentén

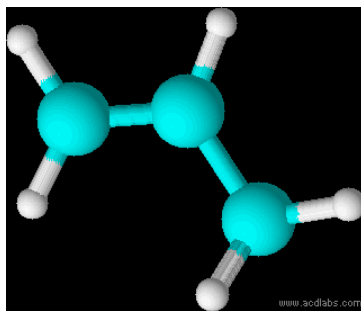
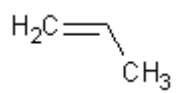
Pent-1-én



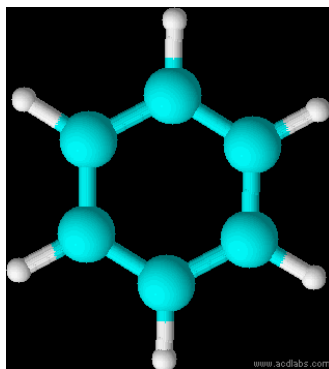
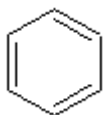
Pent-2-én



Propín

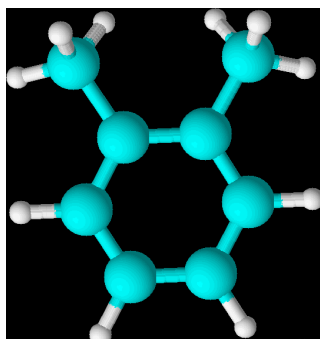
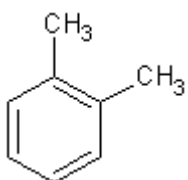


Benzén

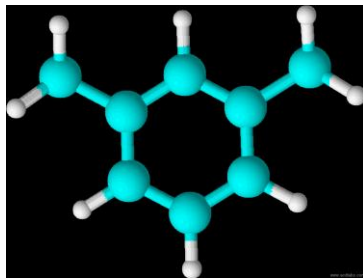
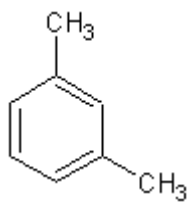


Xylén

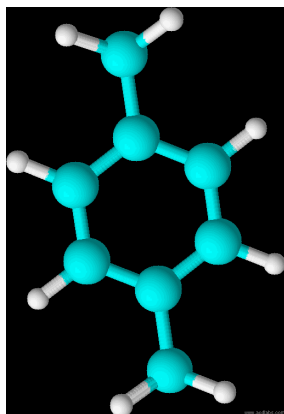
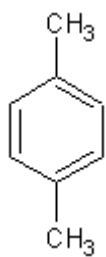
***o*-xylén**



***m*-xylén**



***p*-xylén**



Záver: Počas tohto laboratórneho cvičenia sme vytvárali modely molekúl s využitím izomérie.