

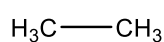
Základní přehled pro předmět C2705 Základy organické chemie – seminář

Nejdůležitější prvky v organických sloučeninách:

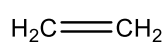
- uhlík, vodík
- kyslík, dusík
- síra, fosfor
- halogeny
- bor
- alkalické kovy
- ostatní kovy

1 I. A		2 II. A		13 III. A		14 IV. A		15 V. A		16 VI. A		17 VII. A		18
1	1,0079 1 H Vodík													
2	6,94 3 Li Lithium	9,01 4 Be Berylium			10,81 5 B Bor	12,01 6 C Uhlík	14,01 7 N Dusík	16,00 8 O Kyslík	19,00 9 F Fluor					
3	22,99 11 Na Sodík	24,31 12 Mg Hořčík			26,98 13 Al Hliník	28,09 14 Si Křemík	30,97 15 P Fosfor	32,06 16 S Síra	35,45 17 Cl Chlor					
4	39,10 19 K Draslík	40,08 20 Ca Vápník			69,72 29 Cu Měď	72,61 30 Zn Cín	74,92 31 Ga Gallium	78,96 32 Ge German	79,90 33 Br Brom					

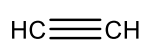
Přehled základních funkčních skupin:



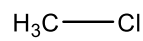
alkan



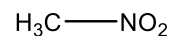
alken



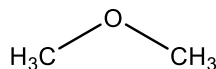
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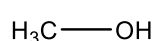
halogenderivát



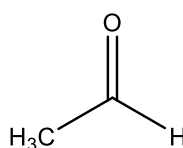
nitroderivát



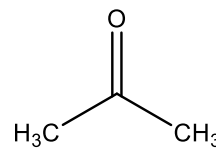
ether



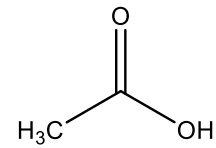
alkohol



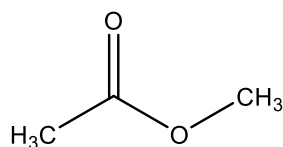
aldehyd



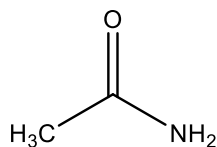
keton



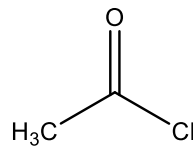
karboxylová kyselina



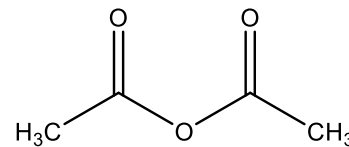
ester kyseliny



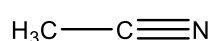
amid kyseliny



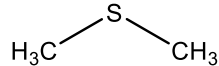
chlorid kyseliny



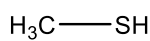
anhydrid kyseliny



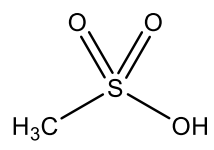
nitril



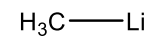
sulfid



thiol

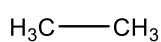


sulfonová kyselina

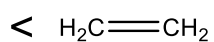


organokov

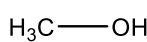
Základní přehled názvoslovných priorit:



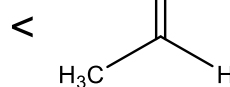
alkan



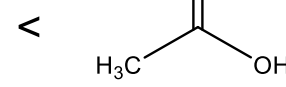
alken



alkohol



aldehyd



karboxylová kyselina