IMENA ALKANOV

(U, str. 127)

1. Alkani so ogljikovodiki s samimi enojnimi vezmi.

2. Imena nerazvejanih alkanov (številka spredaj pove, koliko ogljikovih atomov je v spojini):

1: metan

2: etan

3: propan

4: butan

5: pentan

6:heksan

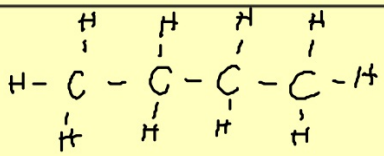
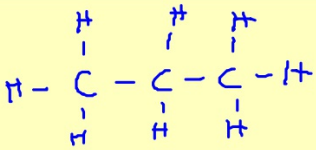
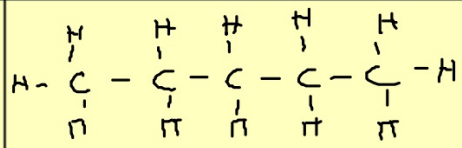
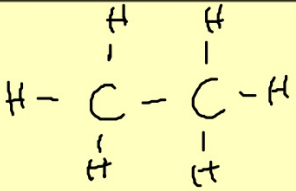
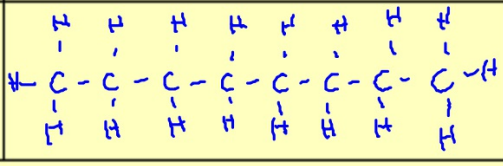
7:heptan

8: oktan

9: nonan

10: dekan

3. Primeri:

IME	STRUKTURNA FORMULA	RACIONALNA FORMULA	MOLEKULSKA FORMULA
butan		$CH_3-CH_2-CH_2-CH_3$	C_4H_{10}
propan		$CH_3-CH_2-CH_3$	C_3H_8
pentan		$CH_3-CH_2-CH_2-CH_2-CH_3$	C_5H_{12}
etan		CH_3-CH_3	C_2H_6
oktan		$CH_3-(CH_2)_6-CH_3$	C_8H_{18}

4. Splošna formula za alkane: $\mathbf{C_nH_{2n+2}}$
   (n = število ogljikovih atomov)

Primer: butan (n = 4)

C_4H_{10}

nonan

C_9H_{20}