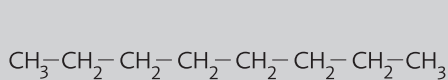
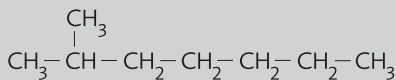


Dannelse af alkaner i tobaksrøgen

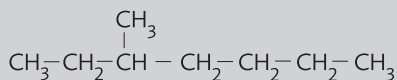
Af de mange forbindelser i tobaksrøgen er der en stor gruppe alkaner. De har fra 8 til 35 carbonatomer i kæderne. Det betyder ikke, at der kun er 27 forskellige alkaner i røgen, da alkanerne kan danne mange isomere forbindelser. Ved f.eks. at sammensætte 8 carbonatomer kan der skabes 18 forskellige isomere forbindelser:



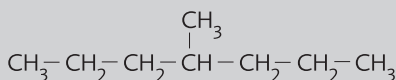
n-octan



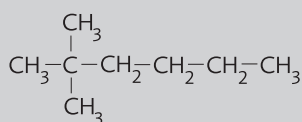
2-methylheptan



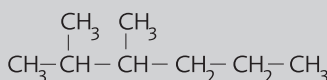
3-methylheptan



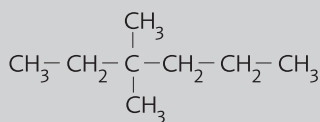
4-methylheptan



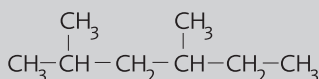
2,2-dimethylhexan



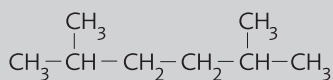
2,3-dimethylhexan



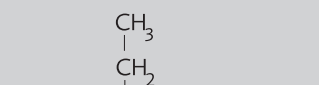
3,3-dimethylhexan



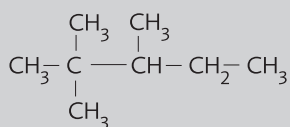
2,4-dimethylhexan



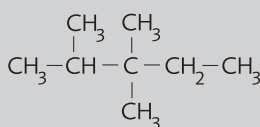
2,5-dimethylhexan



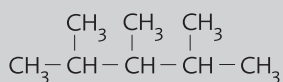
3-ethylhexan



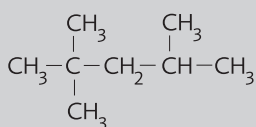
2,2,3-trimethylpentan



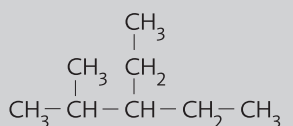
2,3,3-trimethylpentan



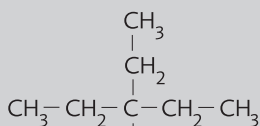
2,3,4-trimethylpentan



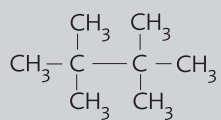
2,2,4-trimethylpentan



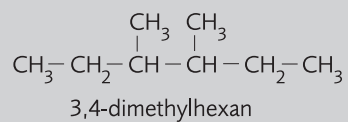
3-ethyl-2-methylpentan



3-ethyl-3-methylpentan



2,2,3,3-tetramethylbutan



3,4-dimethylhexan

Opgave

- Tegn og navngiv alle de 9 isomere alkaner med 7 carbonatomer.