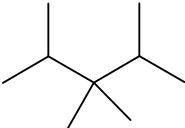
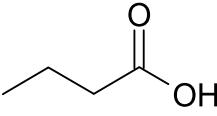
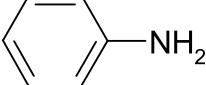
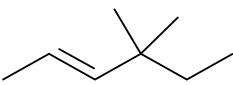
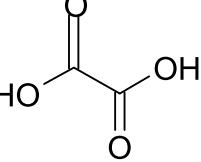
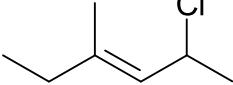
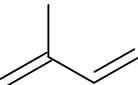
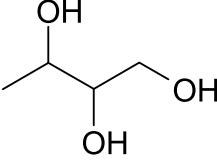
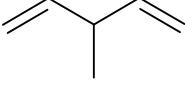
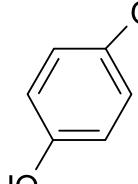
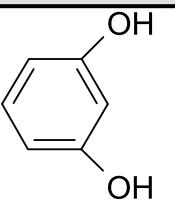
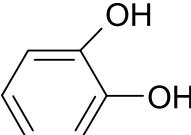
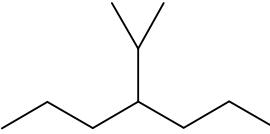
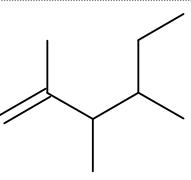
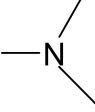
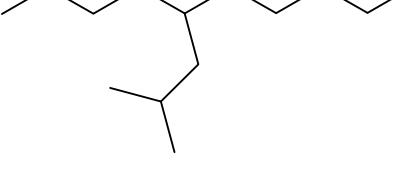
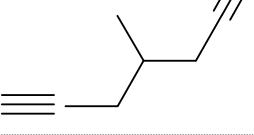
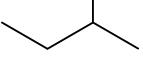
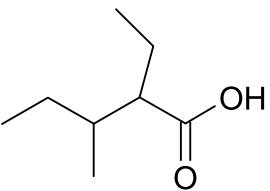
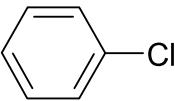
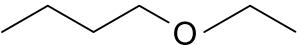
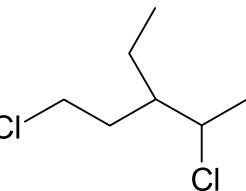
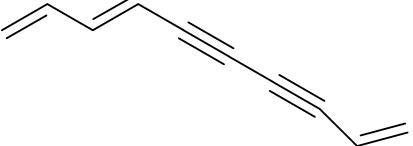
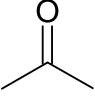
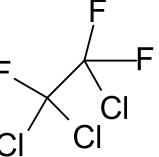
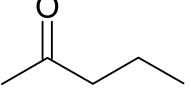
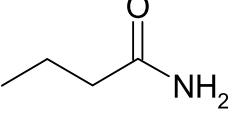
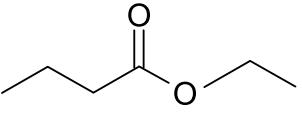
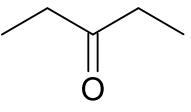
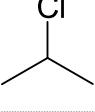


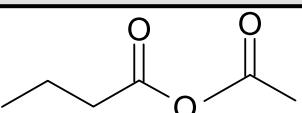
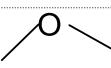
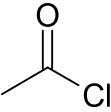
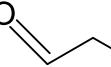
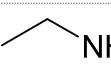
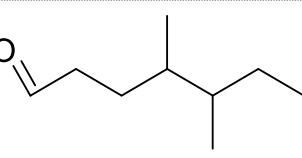
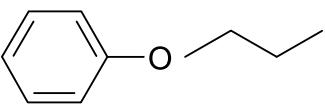
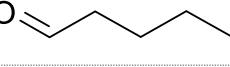
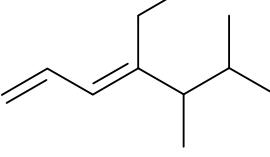
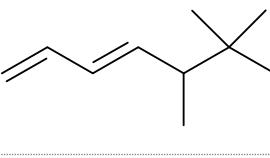
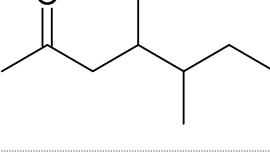
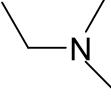
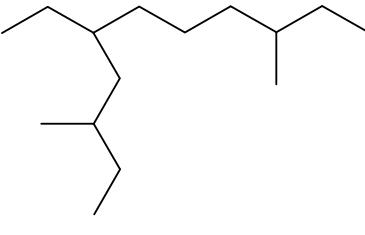
Oefeningen naamgeving organische verbindingen

Geef van onderstaande verbindingen de naam of skeletnotatie.

Skeletnotatie	Naam
	
	
	
	
	
	
	
	
	
	
	

Skeletnotatie	Naam
	
	
	
	
	
	
	
	
	
	
	

Skeletnotatie	Naam
	
	
	
	
	
	
	
	
	
	
	
	
	

Skeletnotatie	Naam
	
	
	
	
	
	
	
	
	
	
	
	
	

Skeletnotatie	Naam
	hexaan-2,4-dion

Skeletnotatie	Naam
	ethylpropylketon
	cycloheptaan
	oxaalzuur
	aluminiummethanoaat
	3,3-dimethylpenta-1,4-diyn
	magnesiumpentanoaat
	chloorbenzeen
	4-ethyl-5-methyloctaan
	aceton
	butaanamide
	methylamine
	4-chloorbut-1-yn

Skeletnotatie	Naam
	mierenzuur
	3-(1-methylethyl)-deeen
	4-(2-ethylbutyl)-octyn
	benzaldehyde
	methanol
	propanoylbromide
	2-ethyl-4-propyloctanal
	ethylpropanoaat
	2-joodpropaan
	hexylheptanoaat
	ethaanamide

Skeletnotatie	Naam
	octanoyljodide
	ethaanzuuranhydride
	2-jood-2-methylbutaan
	formaldehyde
	cis-1,2-dichloorpropeen
	trans-1,2-dichloorpropeen
	ethylpropylether
	fenol
	3-ethyl-4-methylheptaanzuur
	propaan-1,2,3-triol
	ethanal
	2-methylbuta-1,3-dieen
	heptaanamide

Skeletnotatie	Naam
	ethanol
	pentaanzuurpropaanzuuranhydride
	3,3-diëthylheptaan-4-on
	5-ethyl-3-propylcyclohex-1-een

Naamgeving alkanen

A. Oefeningen op naamgeving

Teken de bindingen tussen de atomen en schrijf de naam van:

a.	$\begin{array}{c} \text{CH}_3 - \text{CH}_2 - \text{CH}_2 \\ \quad \quad \quad \\ \quad \quad \quad \text{CH}_3 \end{array}$	
b.	$\begin{array}{cccc} \text{CH}_3 - \text{CH}_2 & \text{CH}_2 & \text{CH} & \text{CH}_3 \\ & & & \\ & \text{CH}_3 & & \end{array}$	
c.	$\text{CH}_3 - (\text{CH}_2)_5 - \text{CH}_3$	
d.	$\begin{array}{ccccccccc} \text{CH}_3 & \text{CH}_2 & \text{CH}_2 & \text{CH} & \text{CH}_2 & \text{CH}_2 & \text{CH} \\ & & & & & & \\ & \text{CH}_2 & & \text{CH}_3 & & & \text{CH}_3 \end{array}$	
e.	$\begin{array}{ccccccccc} \text{CH}_3 & \text{CH}_2 & \text{CH}_2 & \text{CH}_2 & \text{CH} & \text{CH}_2 & \text{CH} \\ & & & & & & \\ & \text{CH}_2 & & & \text{CH}_3 & & \text{CH}_3 \end{array}$	
f.	$\begin{array}{ccccccccc} \text{CH}_3 & \text{CH}_2 & \text{CH} & \text{CH}_2 & \text{CH}_2 & \text{CH}_2 & \text{CH} \\ & & & & & & \\ & \text{CH}_2 & & \text{CH}_3 & & & \text{CH}_3 \end{array}$	
g.	$\begin{array}{ccccccccc} \text{CH}_3 & \text{CH}_2 & \text{CH}_2 & \text{CH} & \text{CH}_2 & \text{CH} \\ & & & & & \\ & \text{CH}_2 & & \text{CH}_2 & & \text{CH}_3 & \end{array}$	

Verbind de C atomen en geef de naam van het alkyl

a.		
b.		$\begin{array}{ccccc} \text{CH}_3 & \text{CH}_2 & \text{CH} & \text{CH}_2 & \text{CH} \\ & & \text{CH}_3 & & \end{array}$
c.		$\begin{array}{ccccc} \text{CH}_3 & \text{CH} & \text{CH} & \text{CH} & \text{CH} \\ & \text{CH}_3 & \text{CH}_3 & \text{CH}_3 & \end{array}$
d.		$\begin{array}{cccccc} \text{CH}_3 & \text{CH} & \text{CH}_2 & \text{CH} & \text{CH}_2 & \text{CH} \\ & \text{CH}_3 & & \text{C}_2\text{H}_5 & & \end{array}$
e.		$\begin{array}{ccccc} & & \text{CH}_3 & & \\ & & \text{C} & & \\ \text{CH}_3 & \text{CH} & \text{C} & \text{CH}_2 & \text{CH} \\ & & \text{CH}_3 & \text{C}_2\text{H}_5 & \end{array}$

Zelf-evaluatieoefeningen

1. Vul aan met waterstofatomen en schrijf de naam van de alkanen.

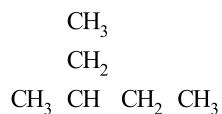
$\begin{array}{c} \text{CH}_3 & & \\ & \text{C} & \text{CH}_2 & \text{CH} \\ & \text{CH}_3 & & \end{array}$	$\begin{array}{ccccccc} \text{CH}_3 & & & & & & \\ \text{CH} & \text{CH}_2 & \text{CH} & \text{CH}_2 & \text{CH}_3 & & \\ \text{CH}_3 & & \text{CH}_2 & \text{CH}_2 & \text{CH} & & \\ & & & & & & \\ & & & & & & \end{array}$	$\begin{array}{ccccc} \text{CH}_3 & & \text{CH}_2 & & \text{CH} \\ \text{CH}_2 & \text{CH}_2 & \text{CH}_2 & & \end{array}$
$\begin{array}{c} \text{CH}_3 & & \\ & \text{C} & \text{CH}_2 & \text{CH} & \text{CH} \\ & \text{CH}_3 & & \text{CH}_3 & \end{array}$	$\begin{array}{ccccccc} \text{CH}_3 & & \text{CH}_3 & & \text{CH}_3 & & \\ \text{CH}_3 & \text{C} & \text{CH}_2 & \text{C} & \text{CH}_2 & \text{CH} & \text{CH} \\ & \text{CH}_3 & & \text{CH}_2 & & \text{CH}_2 & \\ & & & & & & \end{array}$	

2. Schrijf de structuurformule van de volgende alkanen. Schrijf ook de brutoformule.

Naam	Structuurformule	Brutoformule
	$\begin{array}{ccccccc} \text{CH}_3 & \text{CH}_2 & \text{CH} & \text{CH}_2 & \text{CH} \\ & & \text{CH}_2 \\ & & & & \text{CH}_3 \end{array}$	
	$\begin{array}{ccccccc} \text{CH}_3 & \text{CH} & \text{CH} & \text{CH}_2 & \text{CH}_2 & \text{CH} \\ & \text{CH}_3 & & \text{C}_2\text{H}_5 & & \end{array}$	
	$\begin{array}{ccccc} \text{CH}_3 & & & & \\ \text{CH}_3 & \text{C} & \text{CH} & \text{CH}_2 & \text{CH} \\ & \text{CH}_3 & & \text{CH}_3 & \end{array}$	
	$\begin{array}{ccccccc} \text{CH}_3 & \text{CH}_2 & \text{CH} & \text{CH} & \text{CH}_2 & \text{CH}_2 & \text{CH} \\ & \text{CH}_2 & & \text{CH}_3 \\ & & & & \text{CH}_3 & & \end{array}$	
	$\begin{array}{ccccccc} \text{CH}_3 & \text{CH}_2 & \text{CH} & \text{CH} & \text{CH}_2 & \text{CH}_2 & \text{CH} \\ & \text{CH}_2 & & \text{CH}_3 \\ & & & & \text{CH}_3 & & \end{array}$	

	$\begin{array}{ccccccc} \text{CH}_3 & \text{CH} & \text{CH}_2 & \text{CH} & \text{CH}_2 & \text{CH}_2 & \text{CH} \\ & \text{CH}_3 & & \text{C}_2\text{H}_5 & & & \end{array}$	
	$\begin{array}{ccccccc} \text{CH}_3 & \text{CH} & \text{CH} & \overset{\text{C}_3\text{H}_7}{\text{CH}} & \text{CH} & \text{CH}_2 & \text{CH} \\ & \text{CH}_3 & \text{CH}_3 & & \text{C}_2\text{H}_5 & & \end{array}$	

3. Schrijf de naam van het volgende alkaan.



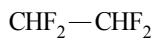
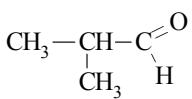
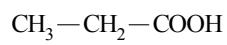
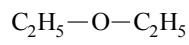
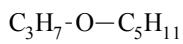
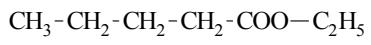
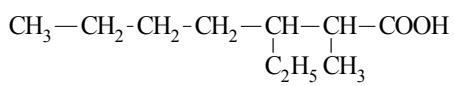
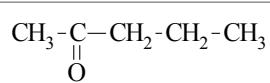
--

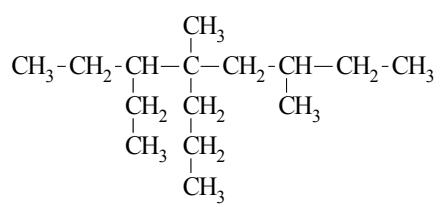
4. Zijn de volgende namen correct? Verbeter indien nodig.

2 – ethylpentaan	
4,5,5 – trimethylhexaan	
2– methyl – 4 – ethylheptaan	
5,7,7 – trimethyl – 3,3 – diëthylnonaan	
2 – propyl – 4 – methyloctaan	

Oefeningen : naamgeving organische verbindingen

1,2-dichloorprop-1-een	
butoxypentaan	
3 - methylpentaanzuur	
3 - methylbutanal	
2,2 - dimethylpropan-1-amine	
1,2,3 - tribroom - 4 - methylpentaan	
3 - chloor - 2 - methylbutanol	
2 - amino - 3,4 - dimethylpentaan	
ethylpropanoaat	
3,3,4 - trimethylpentaan-2-on	





3,3 - dimethylpenteen

4 - methylpent-2-yn

2,2,4 - trimethylhex-3-een

but-2-yn

3 - ethyl - 2 - methylpenteen

