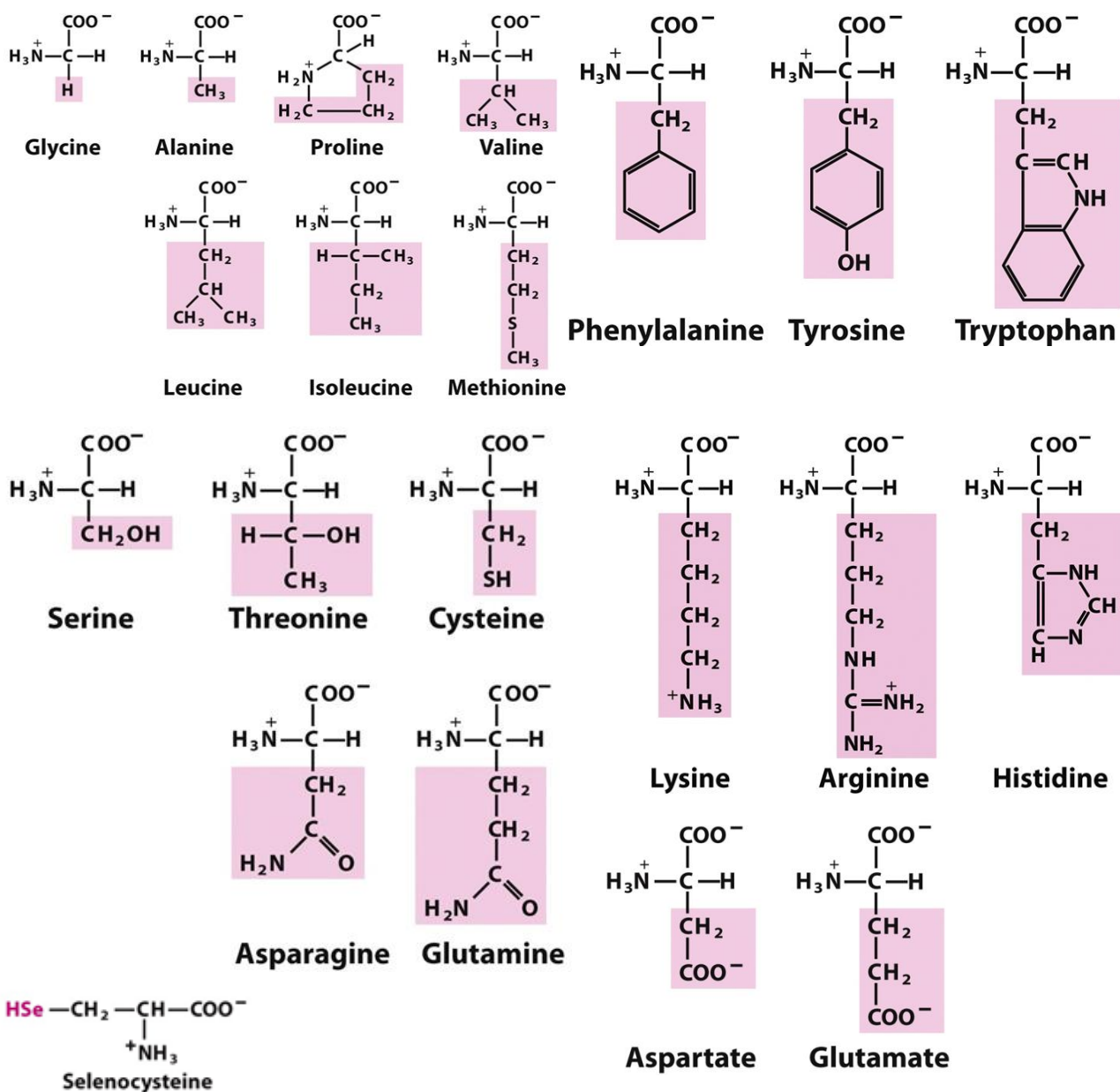


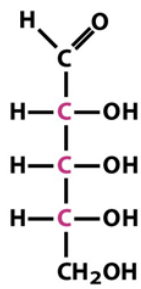
Aminozuren

Apolair	Aromatisch	Polair, ongeladen	Positief geladen	Negatief geladen
Glycine (Gly, G)	Phenylalanine (Phe, F)	Serine (Ser, S)	Lysine (Lys, K)	Aspartaat (Asp, D)
Alanine (Ala, A)	Tyrosine (Tyr, Y)	Threonine (Thr, T)	Arginine (Arg, R)	Glutamaat (Glu, E)
Proline (Pro, P)	Tryptophan (Trp, W)	Cysteïne (Cys, C)	Histidine (His, H)	
Valine (Val, V)		Asparagine (Asn, N)		
Leucine (Leu, L)		Glutamine (Gln, Q)		
Isoleucine (Iso, I)				
Methionine (Met, M)				

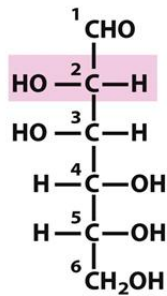


Nr.	Aminozuur
21	Selenocysteïne (Sec, U)
22	L-pyrrolysine (Pyr, O)

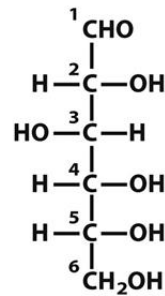
Suikers



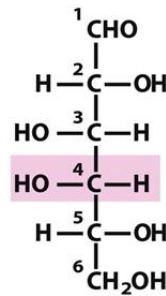
D-Ribose



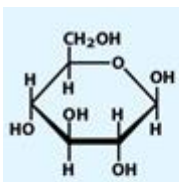
D-Mannose



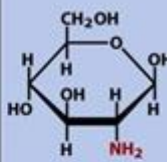
D-Glucose



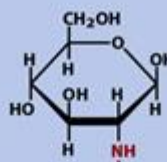
D-Galactose



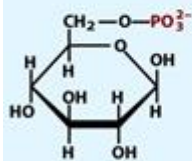
β -D-Glucose



β -D-Glucosamine

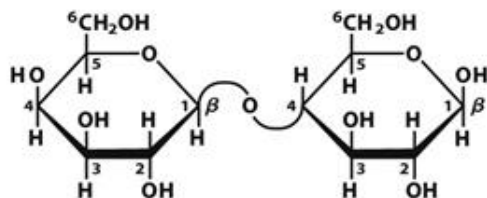


N-Acetyl- β -D-glucosamine



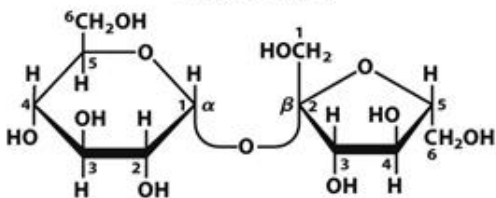
β -D-Glucose 6-phosphate

Dit zijn de belangrijkste afgeleide producten van glucose.



Lactose (β form)

β -D-galactopyranosyl-(1 \rightarrow 4)- β -D-glucopyranose
Gal (β 1 \rightarrow 4)Glc



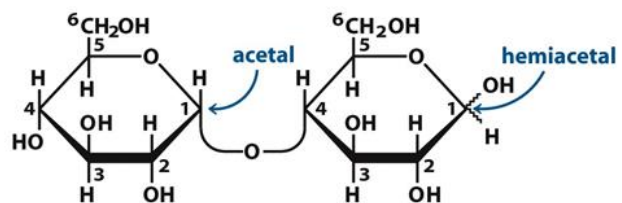
Sucrose

β -D-fructofuranosyl α -D-glucopyranoside
Fru (2 β \leftrightarrow 1 α)Glc \equiv Glc (α 1 \leftrightarrow 2 β)Fru

Lactose: β -Galactose + β -Glucose

Sucrose: α -Glucose + β -Fructose

Maltose: α -Glucose + β -Glucose

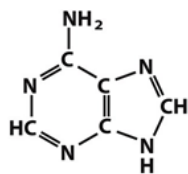
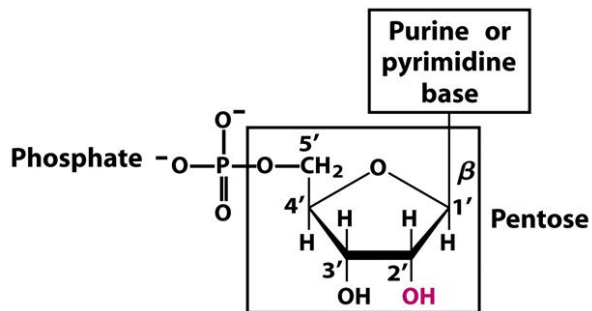


Maltose

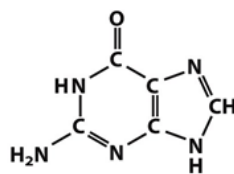
α -D-glucopyranosyl-(1 \rightarrow 4)-D-glucopyranose

Nucleotiden en nucleïnezuren

Purines	Pyrimidines
Adenine (A)	Cytosine (C)
Guanine (G)	Thymine (T)
	Uracil (U)

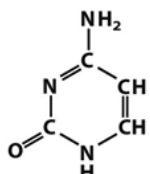


Adenine

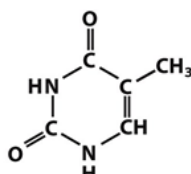


Guanine

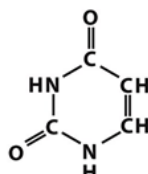
Purines



Cytosine

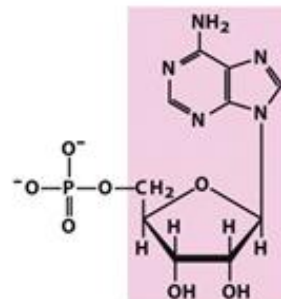


Thymine (DNA)



Uracil (RNA)

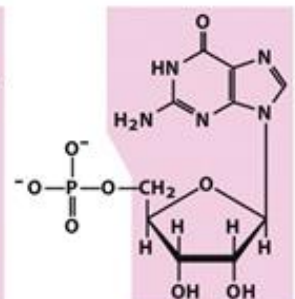
Pyrimidines



Nucleotide: Adenylate (adenosine 5'-monophosphate)

Symbols: A, AMP

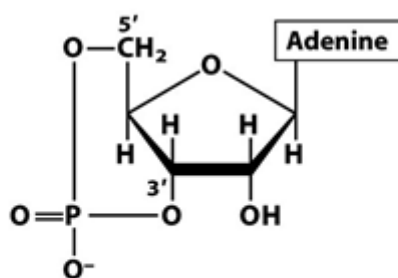
Nucleoside: Adenosine



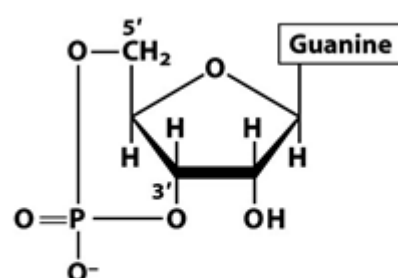
Nucleotide: Guanylate (guanosine 5'-monophosphate)

Symbols: G, GMP

Nucleoside: Guanosine

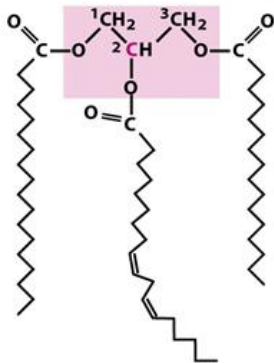


Adenosine 3',5'-cyclic monophosphate (cyclic AMP; cAMP)

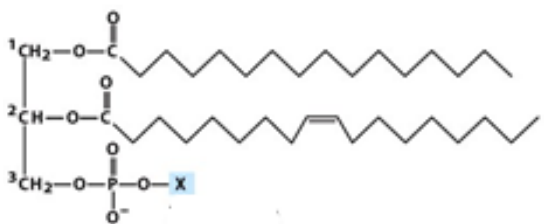


Guanosine 3',5'-cyclic monophosphate (cyclic GMP; cGMP)

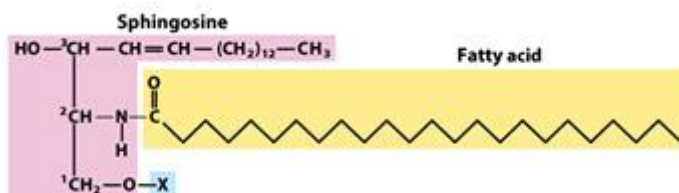
Lipiden



vb. van een **Triglyceride** waarbij het gekleurde gedeelte glycerol voorstelt



Algemene structuur van een **glycerofosfolipiden**. Wanneer de -X een -H voorstelt dan krijgen we de naam **fosfatidine zuur**.



Algemene structuur van een **sphingolipide**. Als -X wordt vervangen door -H verkrijgen we **ceramide**.

