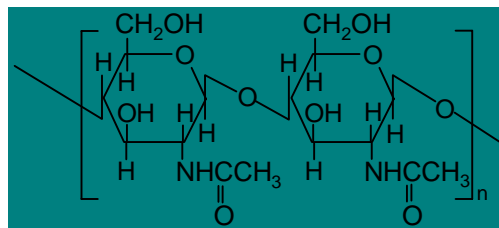


# RECUEIL D'EXERCICES DE BIOCHIMIE

## 2. Les glucides

### 2.1. Structure et classification

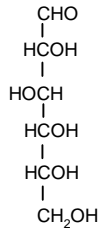


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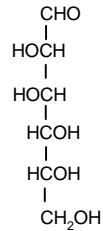
## 2.1. Structure et classification

2-1 : Identifiez les monosaccharides suivants.

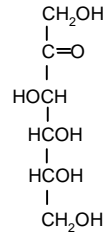
A)



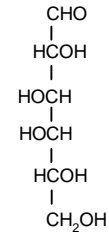
B)



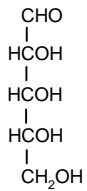
C)



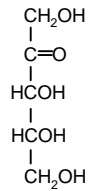
D)



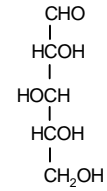
E)



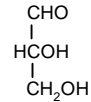
F)



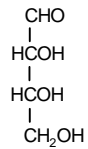
G)



H)



I)



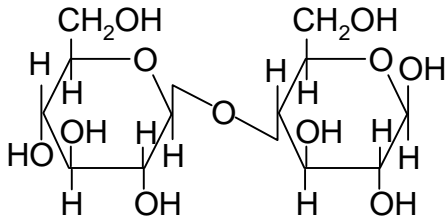
**Choix :**

- |                     |                |
|---------------------|----------------|
| 1) D-fructose       | 6) D-ribose    |
| 2) D-glycéraldéhyde | 7) D-ribulose  |
| 3) D-érythrose      | 8) D-galactose |
| 4) D-glucose        | 9) D-xylose    |
| 5) D-mannose        |                |

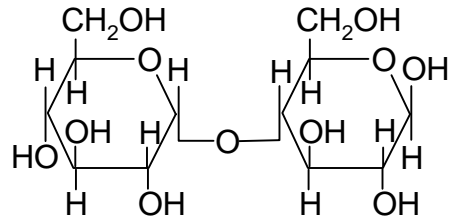
[Réponse](#)

**2-2 : Identifiez les disaccharides suivants.**

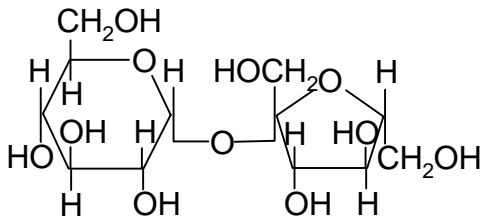
A)



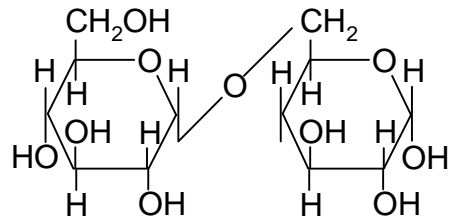
B)



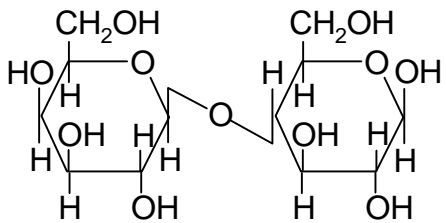
C)



D)



E)



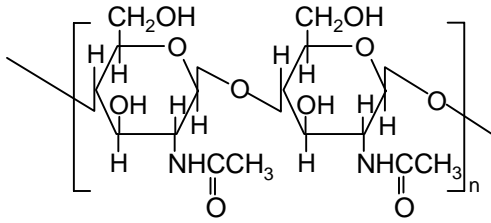
**Choix :**

- |               |               |
|---------------|---------------|
| 1) maltose    | 4) raffinose  |
| 2) saccharose | 5) cellobiose |
| 3) isomaltose | 6) lactose    |

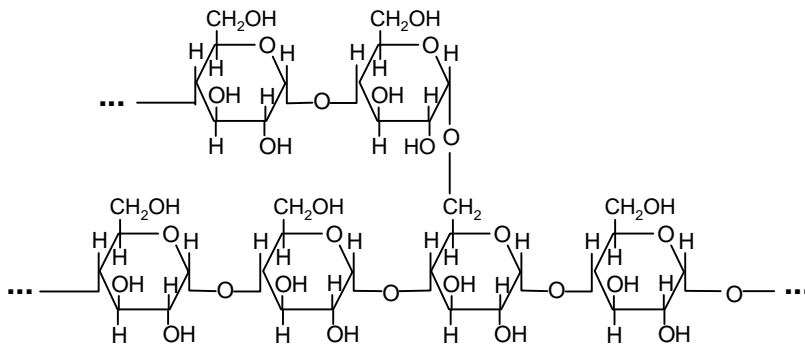
[Réponse](#)

**2-3 : Identifiez les polysaccharides suivants.**

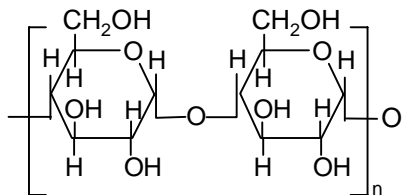
A)



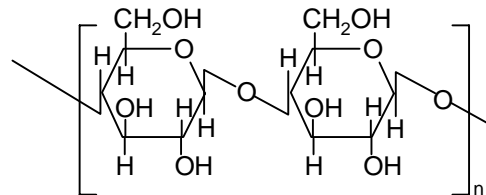
B)



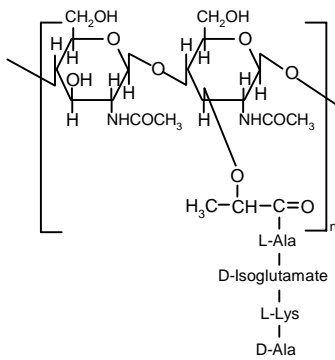
C)



D)



E)



**Choix :**

- |                      |                   |
|----------------------|-------------------|
| 1) $\alpha$ -amylose | 4) peptidoglycane |
| 2) chitine           | 5) cellulose      |
| 3) amylopectine      | 6) glycogène      |

Réponse

**2-4 : De quel(s) polysaccharide(s) est-il question dans les énoncés suivants?**

- A) C'est la forme de stockage du glucose chez les animaux.
- B) C'est la substance responsable de la structure des parois cellulaires des végétaux.
- C) Ils sont des constituants de l'amidon (réserve glucidique chez les végétaux).
- D) Elle est associée à des protéines et sels minéraux, elle constitue l'exosquelette des Arthropodes.
- E) C'est un constituant des parois bactériennes.

**Choix :**

- |                      |                   |
|----------------------|-------------------|
| 1) $\alpha$ -amylose | 4) peptidoglycane |
| 2) chitine           | 5) cellulose      |
| 3) amylopectine      | 6) glycogène      |

[Réponse](#)

2-1 :

A(4), B(5), C(1), D(8), E(6), F(7), G(9), H(2), I(3).

2-2 :

A(5), B(1), C(2), D(3), E(6).

2-3 :

A(2), B(3 et 6), C(1), D(5), E(4).

2-4 :

A(6), B(5), C(1 et 3), D(2), E(4).