

## ÜLESANNE 9.C klassi keemikutele

Loe laulusõnad mõttega läbi, tõlgi enda jaoks ja vasta seejärel küsimustele!

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### GLUCOSE SONG

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Glucose -- ah, sugar sugar --  
You are my favorite **fuel**  
From the blood-borne substrate pool.  
Glucose -- monosaccharide sugar --  
You're sweeter than a woman's kiss  
'Cause I need you for **glycolysis**.

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I just can't believe the way my **muscles take you in**.  
(For you, they'll open the door.)  
All it takes is a little bit of **insulin**  
(To upregulate GLUT4).

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Ah, glucose -- ah, sugar sugar --  
You help me make **ATP**  
When my predators are chasing me.  
Ah, glucose -- you're an **aldehyde** sugar,  
And you're sweeter than a woman's kiss  
'Cause I need you for glycolysis.

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I just can't believe the way my muscles break you down.  
(My glycogen is almost gone.)  
A few more seconds and I'll be rigor mortis-bound.  
(Acidosis done me wrong.)  
Your **sweet is turning sour**, baby.  
I'm losing all my power, baby.  
I'm gonna make your muscles ache.  
No, no, no! | I'm swimming in **lactate**, baby.  
Yes, I'm swimming in lactate, baby.  
Now I'm drowning in lactate, baby.  
I'm gonna make your muscles ache.  
No, no, no! | I'm drowning in lactate, baby.  
Ah, glucose -- ah, sugar sugar --

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I used you up and you left me flat;  
Now I'll have to get my **kicks from fat**.  
Oh, glucose, glucose, sugar, sugar,  
The honeymoon is over now

1. Miks on glükoos *favourite fuel*?
2. Mis on **glükolüüs**?
3. Milline on **insuliini** ja **GLUT4** roll glükolüüsis?
4. Mis on **ATP** ja kuidas on see seotud glükoosiga?
5. Mis on *aldehyde sugar*?
6. Mis on **glükogeen** ja mis on tema roll?
7. Mis on **laktaat** ja kuidas see seostub lihaste ning glükoosiga?
8. Mida tähendab ja miks väidetakse laulus, et *Now I'll have to get my kicks from fat*?