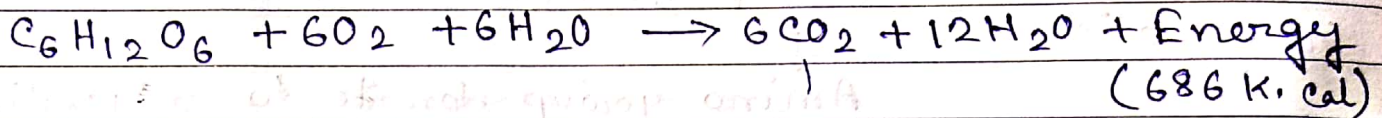


January 2019							February 2019								
Wk	S	M	T	W	T	F	S	Wk	S	M	T	W	T	F	S
01			1	2	3	4	5	05							
02	6	7	8	9	10	11	12	06	3	4	5	6	7	8	9
03	13	14	15	16	17	18	19	07	10	11	12	13	14	15	16
04	20	21	22	23	24	25	26	08	17	18	19	20	21	22	23
05	27	28	29	30	31			09	24	25	26	27	28		

Dipanwita Pal Class - 5 Date - 21/09/2020

CC-12 Unit - 4

Respiration



↓  
ATP (38 mol.)

\* Mechanism of respiration →

↳ Glycolysis → Glykos → sugar  
lysis → splitting

\* EMP pathway → Embden - Meyerhof - Paranas

\* cytoplasm

\* Presence / absence of O<sub>2</sub>

Happiness lies in the job of achievement and the thrill of creative effort. - Franklin D. Roosevelt

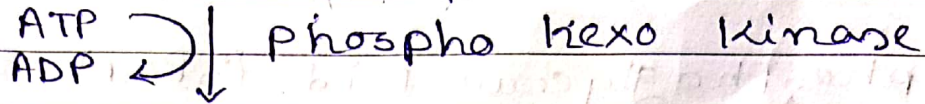
Notes :

Appointment :

Wk	S	M	T	W	T	F	S	Wk	S	M	T	W	T	F	S
05						1	2	05	31					1	2
06	3	4	5	6	7	8	9	06	3	4	5	6	7	8	9
07	10	11	12	13	14	15	16	07	10	11	12	13	14	15	16
08	17	18	19	20	21	22	23	08	17	18	19	20	21	22	23
09	24	25	26	27	28			09	24	25	26	27	28	29	30

Step

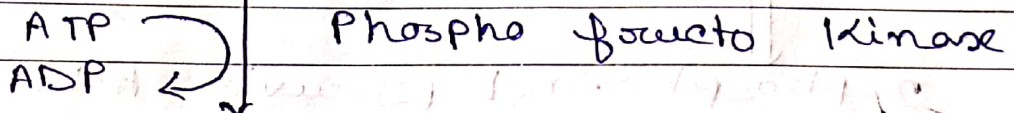
Glucose (1mol)



Glucose - 6-P

Phospho hexo isomerase

Fructose - 6-P



Fructose 1, 6 - bis phosphate

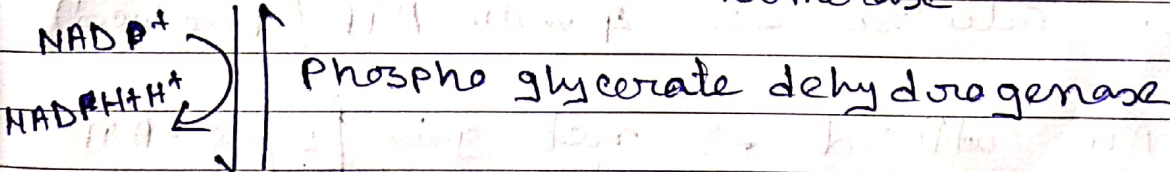
Aldolase

Glyceraldehyde - 3-P (PGALD)

Triose

Dihydroxy acetone Phosphate (DHAP)

Phosphate isomerase



1, 3 - di phosphoglyceric Acid

3-PGALD

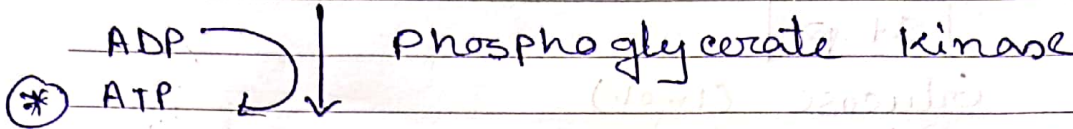
Pyruvic Acid

Good fences make good neighbors. - Robert Frost

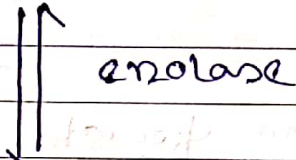
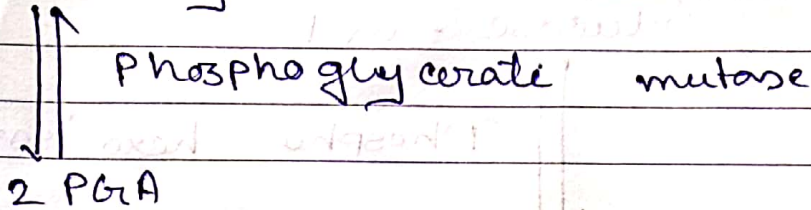
Notes :	Appointment :

\* 1st ATP form substrate level phosphorylation

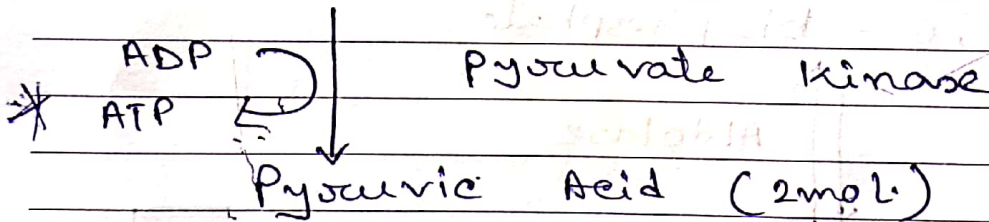
Wk	S	M	T	W	T	F	S	Wk	S	M	T	W	T	F	S
01			1	2	3	4	5	05							
02	6	7	8	9	10	11	12	06	3	4	5	6	7	8	9
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04	20	21	22	23	24	25	26	08	17	18	19	20	21	22	23
05	27	28	29	30	31			09	24	25	26	27	28	29	30



3 Phosphoglyceric Acid (3PGA)



2-Phosphoenol pyruvic Acid + H<sub>2</sub>O



\* 1 mol. Glucose → 4 mol. ATP (Produced)

\* 2 mol. ATP utilised → net gain 2 mol. ATP

\* 2NADH + H<sup>+</sup> → 6 mol. ATP

∴ Total ATP = 2 + 6 = 8 mol.

Get not your friends by bare compliments, but by giving them sensible tokens of your love. - Socrates

Notes :	Appointment :