Glycolytic Pathway

Fill in the blanks on the right side of the worksheet and in the steps of glycolysis. Also fill in the molecule names A to F.

A.

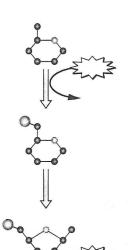
В.

C.

D.

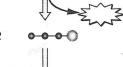
E.

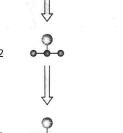
F.



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2 00000





2

1. Glucose Activation

During the first four steps of glycolysis,

_____ are transferred to

is converted to _____. The end product is

2. Sugar Splitting

gets split into two fragments, _____ and ____ . ___ then gets converted into _____.

3. Oxidation

Both molecules of ______ become oxidized using _____, which becomes _____. This process releases _____, which is used to attach _____ to the sugars, making them

4. Formation of ATP

During the last four steps of glycolysis, the ______, groups of the molecules are transferred to ______, creating _____. This is done via the process of _____.

carbon	oxygen	0	phosphate

Student Worksheet

The Krebs Cycle

Fill in the molecules created or released during the Krebs cycle. Fill in the blanks of the summaries.

December Outdetter	*
Pyruvate Oxidation	
enters the mitochondrion from the cytoplasm.	
One atom is removed via and	
is removed using	K-1-0-1-
becomes attached to the remaining atoms,	Krebs Cycle
creating, which then enters the Krebs cycle.	enters the cycle and then combines
	with to make the six-carbon compound
	During the eight steps of the Krebs cycle,
000	undergoes a number of reactions, releasing
	and in a number of steps is
CoA	eventually converted into so it can be
CoA-:	used again during the Krebs cycle. รม
COA	311
0-1	00000
0-0-0	
	00000
0-0-0	
	0000
Co	oA-SH
CoA-SH	
	0-0-0
0000	
(V or a const	1
Products of the Krebs Cycle	Trong .
is released as waste.	~~
and move to the next stage of cellular respiration	1.
Energy is released in the form of A glucose molecule produce	(
molecules of because two molecules of are create	
motoration of stockage the motoration of and stockage	A STATE OF THE STA

each molecule of __