

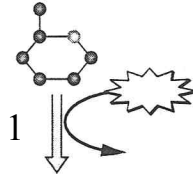
Glycolytic Pathway

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.

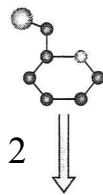
Investment

Pay-Off

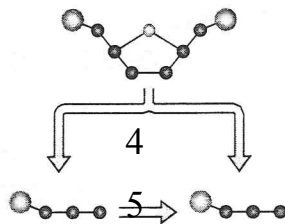
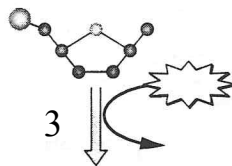
A.



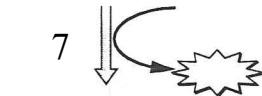
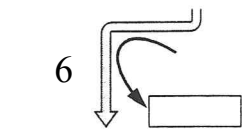
B.



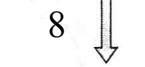
C.



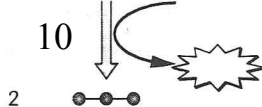
D.



E.



F.



1. Glucose Activation

During the first four steps of glycolysis,

_____ are transferred to _____ via _____, where _____ 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 _____.

