

Name: _____ Date: _____

GLYCOLYSIS Worksheet

1. Each step of the glycolytic pathway requires the use of a specific _____.
2. This process occurs in the _____ of the cell.
3. The first half of glycolysis is called the _____.
4. During this phase, _____ are needed for activation energy to begin the oxidation of glucose.
5. By the end of this phase, the 6 carbon glucose is split into _____
6. The second half of glycolysis is called the _____.
7. Two molecules of _____ (a coenzyme) pick up electrons and hydrogen atoms from the 3 carbon sugars (G3P)
8. The two NAD^+ molecules are converted in to two _____ molecules.
9. Since the two NAD^+ molecules gained electrons and hydrogen, they are _____
10. Since the two 3-carbon sugars (G3P) lost electrons and hydrogen, they are _____
11. As well, each G3P gains a _____ group (inorganic phosphate) which are floating around in the cytoplasm.
12. These phosphate groups are donated to four _____ molecules through a process called _____ phosphorylation.
13. The end products are two 3-carbon molecules of _____.
14. The Net products of Glycolysis:
_____ ATP _____ NADH _____ pyruvate