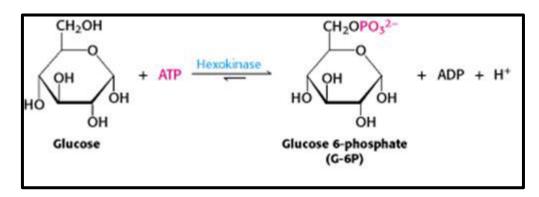
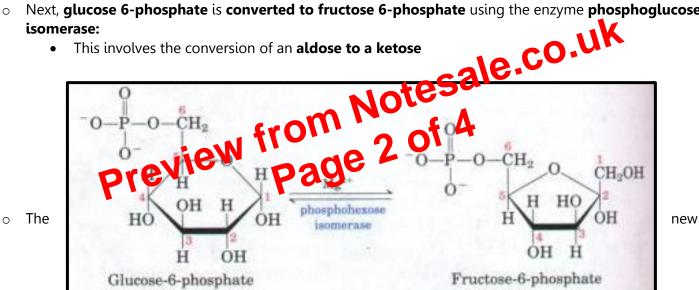
- **Coenzymes** are non-protein compounds that are necessary for some enzymes to function, the ones used 0 in cellular respiration are:
 - NADH (NAD⁺ + $2e^{-}$ + H⁺) •
 - $FADH_2$ (FAD + 2e⁻ + 2H⁺)
- Glycolysis takes place in the cytoplasm of all prokaryotes and eukaryotes 0

The Process of Glycolysis

• Glucose, using the enzyme **hexokinase** and a molecule of ATP, is **formed into glucose 6-phosphate**:



Next, glucose 6-phosphate is converted to fructose 6-phosphate using the enzyme phosphoglucose 0 isomerase:



compound, fructose 6-phosphate is phosphorylated to form fructose 1,6-bisphospahte using the enzyme phosphofructokinase and a molecule of ATP:

