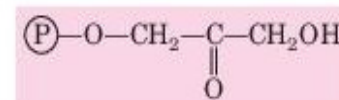
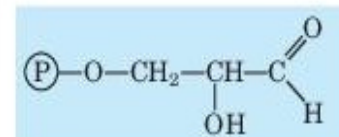
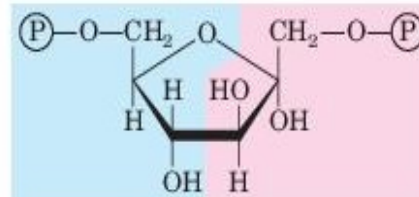
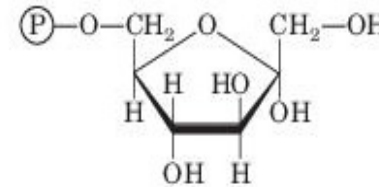
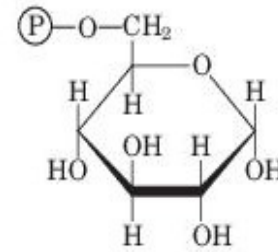
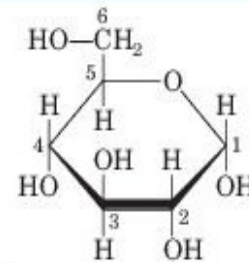
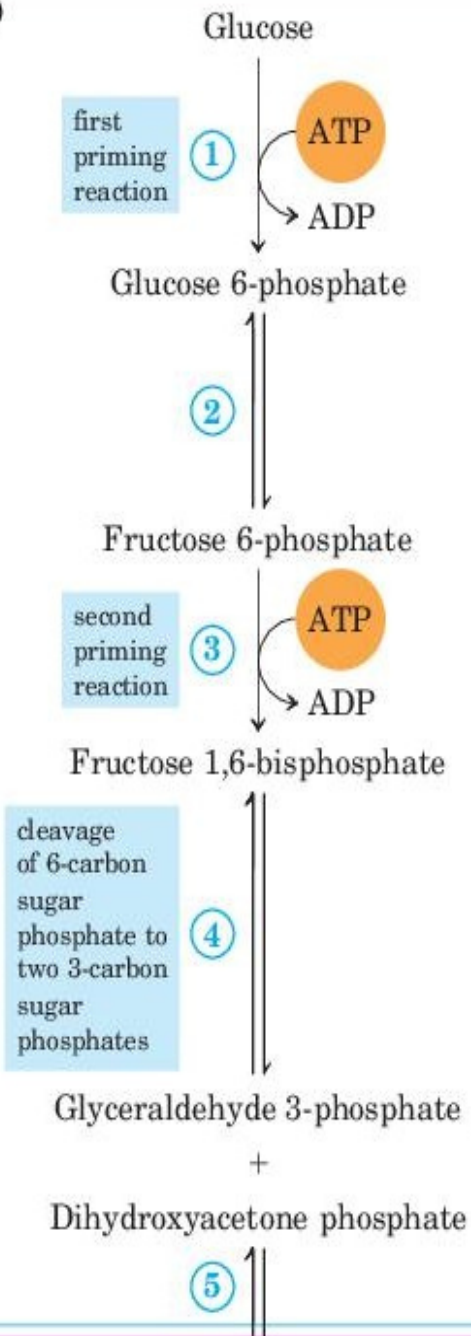




Glycolytic Pathway

**Source – Lehninger
(Principle of Biochemistry)**

(a)

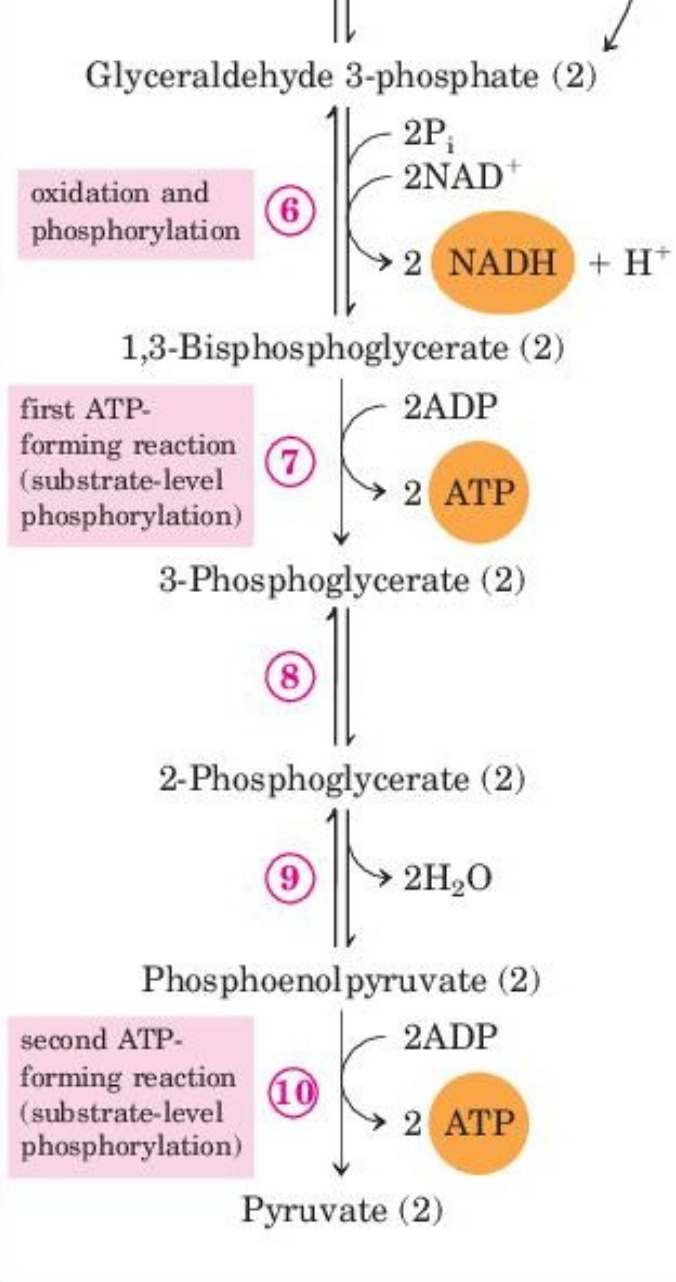


Preparatory phase

Phosphorylation of glucose and its conversion to glyceraldehyde 3-phosphate

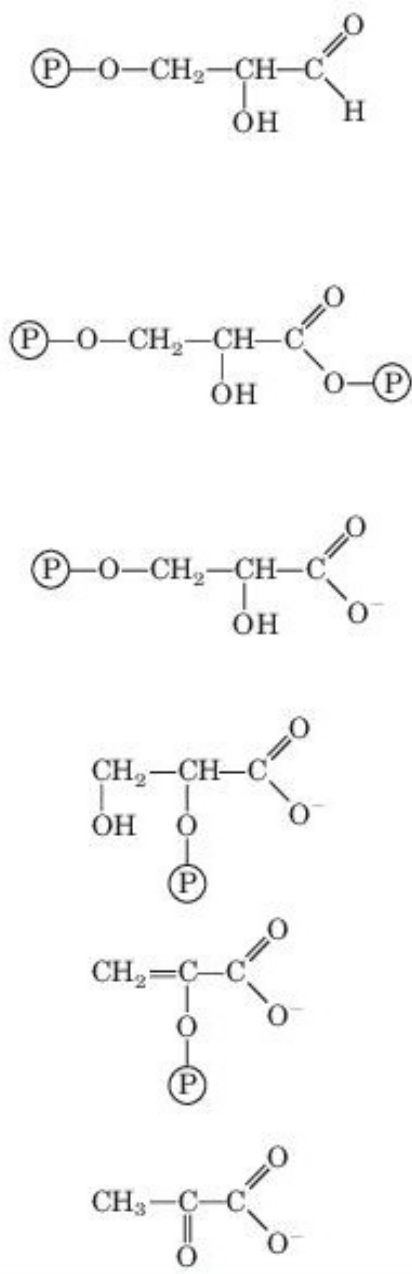
- 1 Hexokinase
- 2 Phosphohexose isomerase
- 3 Phosphofructokinase-1
- 4 Aldolase
- 5 Triose phosphate isomerase

(b)



Payoff phase

Oxidative conversion of glyceraldehyde 3-phosphate to pyruvate and the coupled formation of ATP and NADH



- ⑥ Glyceraldehyde 3-phosphate dehydrogenase
- ⑦ Phosphoglycerate kinase
- ⑧ Phosphoglycerate mutase
- ⑨ Enolase
- ⑩ Pyruvate kinase