

## Glycolysis, Gluconeogenesis, Fermentation

Sections/problems listed with an asterisk (\*) do not discuss the exact reaction indicated, but do discuss a closely related reaction.

### Glycolysis

- Hexose kinase ([EC 2.7.1.1](#)) [Section 10.2B](#)
- Phosphoglucose isomerase ([EC 5.3.1.9](#)) [Section 13.2A](#)
- Phosphofructokinase ([EC 2.7.1.56](#)) [Section 10.2B](#)
- Fructose 1,6-bisphosphate aldolase ([EC 4.1.2.13](#)) [Section 13.3B,C](#)
- Triose phosphate isomerase ([5.3.1.1](#)) [Section 13.2A](#)
- Glyceraldehyde 3-phosphate dehydrogenase ([EC 1.2.1.12](#)) [Section 16.4D](#)
- Phosphoglycerate kinase ([EC 2.7.2.3](#)) [Section 10.2F](#)
- Phosphoglycerate mutase ([EC 5.4.2.1](#)) [Section 10.1D\\*](#); [C10.3](#)
- Enolase ([EC 4.2.1.11](#)) [Section 14.1\\*](#); [P14.1](#)
- Pyruvate kinase ([EC 2.7.1.40](#)) [Section 10.2F](#), [Section 13.1A](#)
- 2-Keto-3-deoxy-6-phosphogluconate (KDPG) aldolase ([EC 4.1.2.14](#)) [Section 13.3C](#)

### Gluconeogenesis

- Pyruvate carboxylase ([EC 6.4.1.1](#)) [Section 13.5D](#)
- Phosphoenolpyruvate carboxykinase ([EC 4.1.1.32](#)) [P13.10](#)
- Phosphoglycerate kinase ([EC 2.7.2.3](#)) [Section 10.2D\\*](#); [P10.1](#)
- Fructose 1,6-bisphosphatase ([EC 3.1.3.11](#)) [Section 10.3](#)
- Glucose 6-phosphatase ([EC 3.1.3.9](#)) [Section 10.3](#); [P10.6](#)

### Fermentation

- Pyruvate decarboxylase ([EC 4.1.1.1](#)) [Section 14.5C](#); [E14.7](#)
- Alcohol dehydrogenase ([EC 1.1.1.1](#)) [Section 16.4D](#)
- Lactate dehydrogenase ([EC 1.1.1.27](#)) [Section 16.4\\*](#); [P16.1](#)

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