

glucose

**Embsden- Mayerhof-
Parnas pathway**

G3P  **DHAP**

pyruvate

acetyl-CoA

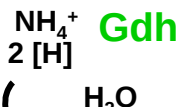
citrate

oxaloacetate

aspartate

**tricarboxylic acid
cycle**

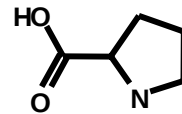
2-oxoglutarate



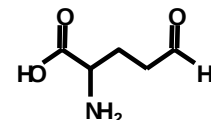
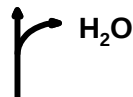
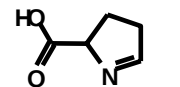
glutamate



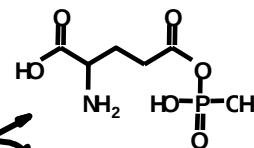
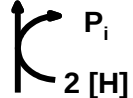
glutamine



proline



ProA



ADP

Proj