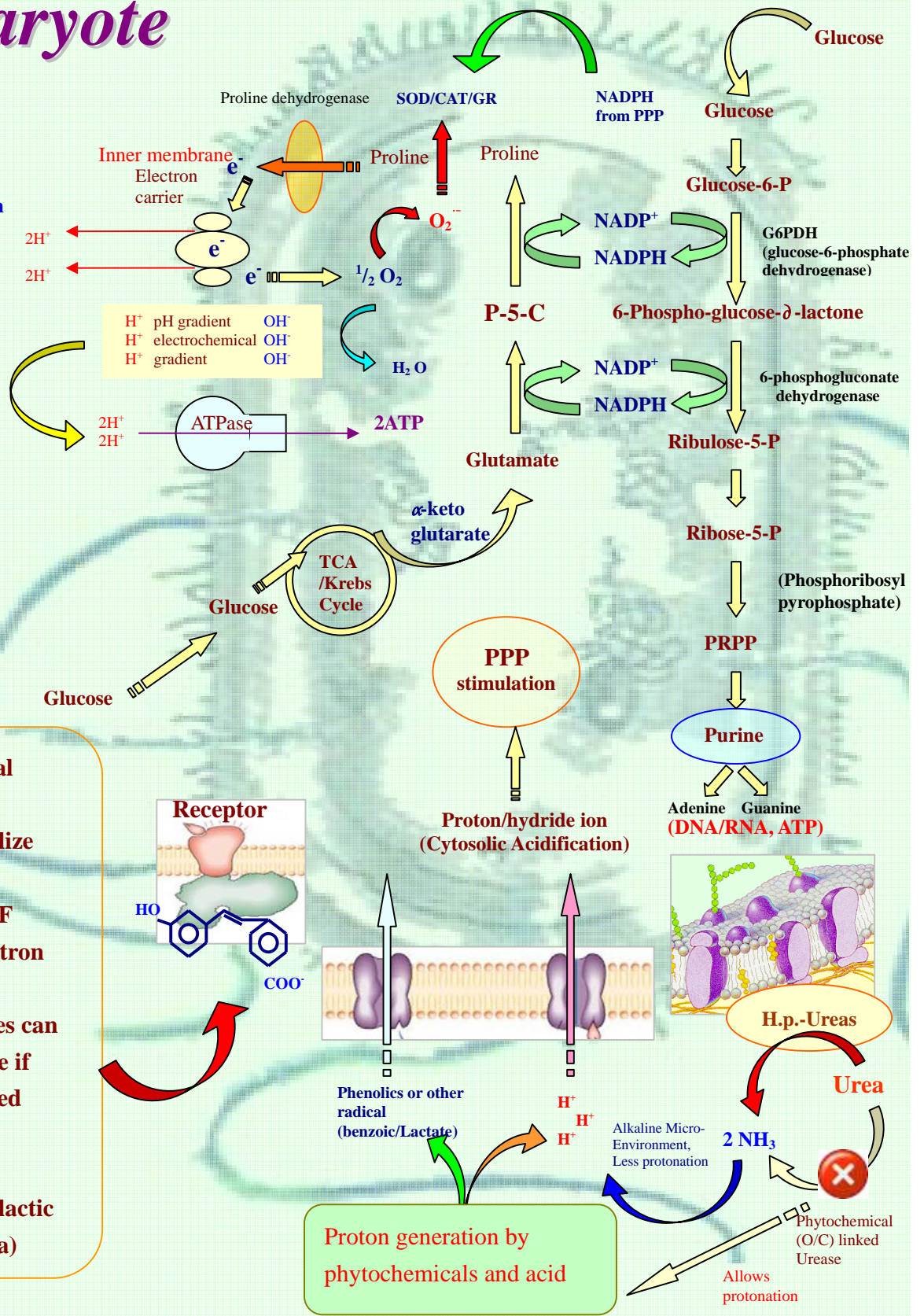


Procaryote

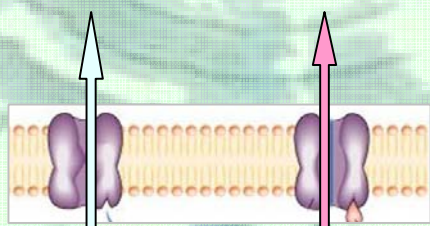
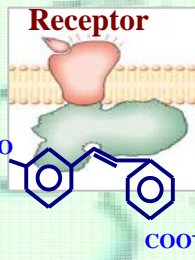
Redox Regulation via PPP

Alternative Oxidative Phosphorylation at membrane with phenolic phytochemicals



Phenolic Radical Functions:

1. Can destabilize membranes
2. Disrupt PMF
3. Disrupt electron transport
4. In some cases can be protective if proline-linked antioxidant response is stimulated (lactic acid bacteria)



Proton generation by phytochemicals and acid

