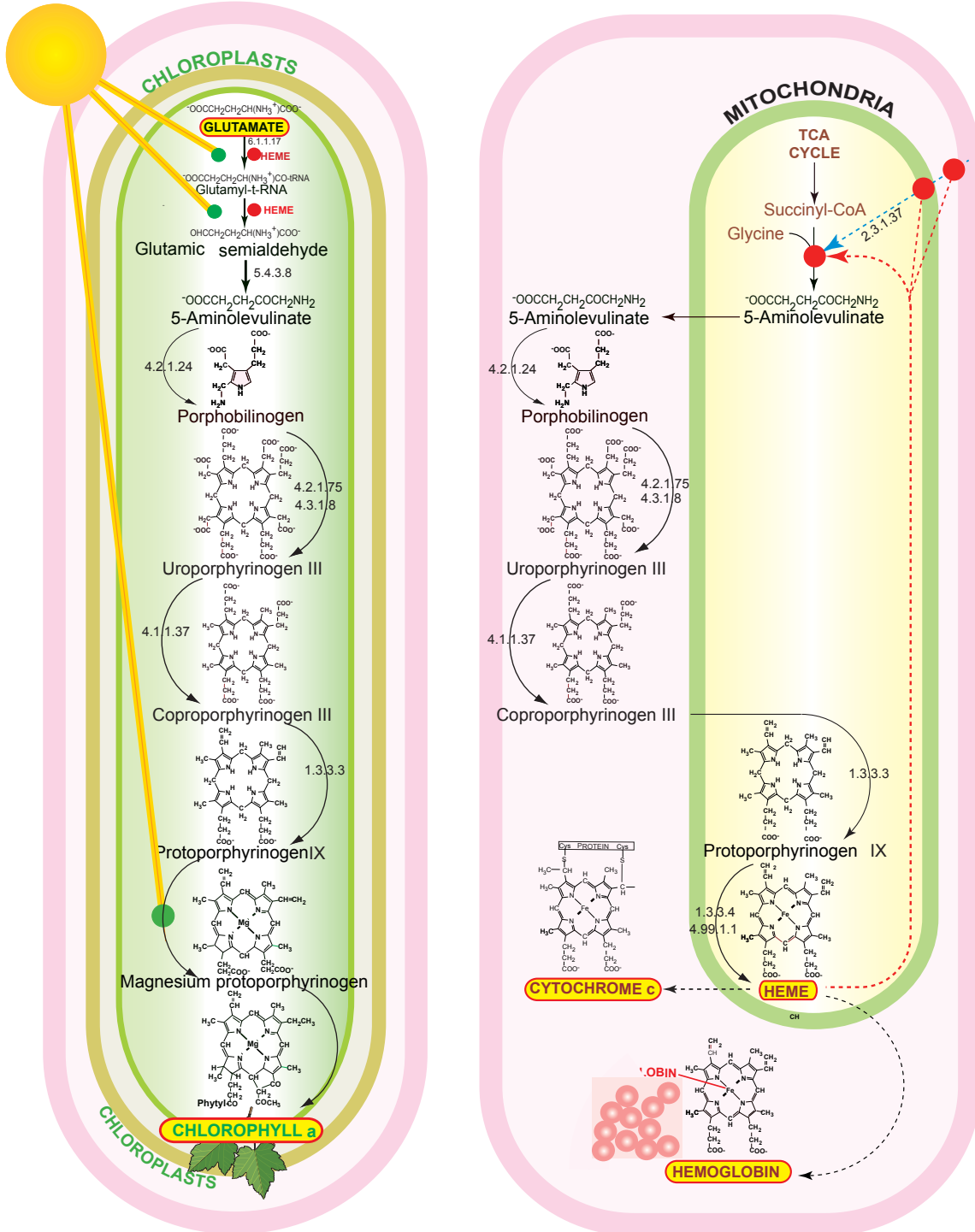


HEME METABOLISM

CHLOROPHYLL & HEMOGLOBIN

PLANTS, ALGAE, BACTERIA

MAMMALS, BIRDS, BACTERIA



ENZYMES

- | | |
|---|--|
| 1.3.3.3 Coproporphyrinogen oxidase | 4.2.1.24 Porphobilinogen synthase |
| 1.3.3.4 Protoporphyrinogen oxidase | 4.2.1.75 Uroporphyrinogen-III synthase |
| 2.1.1.11 Magnesium-protoporphyrin O-methyltransferase | 4.3.1.8 Hydroxymethylbilane synthase |
| 2.3.1.37 5-Aminolevulinic acid synthase | 4.99.1.1 Ferrochelatase |
| 4.1.1.37 Uroporphyrinogen decarboxylase | 5.4.3.8 Glutamatesemialdehyde 2,1-aminotransferase |
| | 6.1.1.17 Glutamate-t-RNA ligase |