

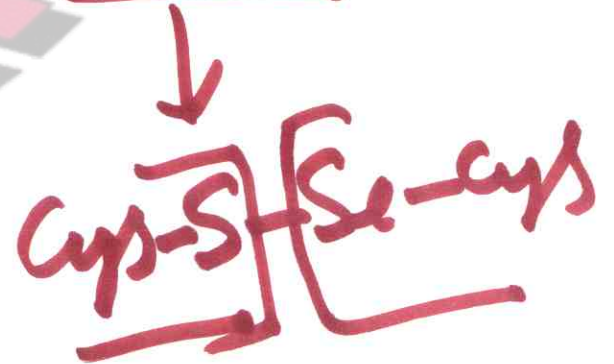
S-H Thiol

Se-H Selenol

Se-OH Selenic acid

Thioredoxin Reductase ~~ex~~ (TrxR)

Thioredoxin (Trx)



NPTTEL

Cys-S-H

Cys-Se-H

Selenocysteine

ROS → Reactive oxygen species

antioxidant

Cys-S-Se-Cys

Thioredoxin R

Se - S formation

Se + S breakage

NPTTEL