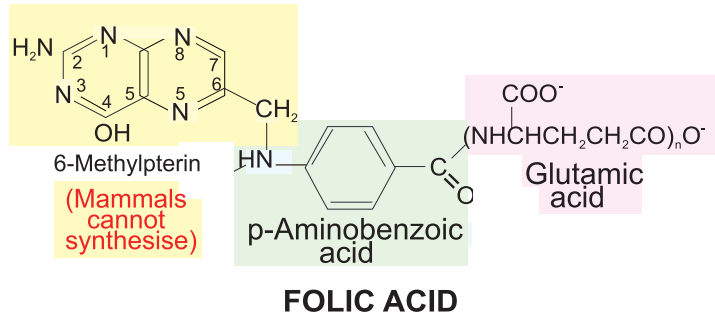


FOLIC ACID & EARLY CHEMOTHERAPY

Folic acid is needed for purine synthesis and hence for the DNA and RNA needed for cell growth and division



Mammals **cannot** make folic acid and must obtain it from their diet

(Some) bacteria cannot absorb folic acid and **must** synthesise it

Sulphonamides compete with PABA for "active sites" of enzymes which synthesise folic acid, and can thus limit or inhibit its formation. With little or no folic acid being synthesised, the growth and cell division of bacteria which need it will be limited or inhibited

