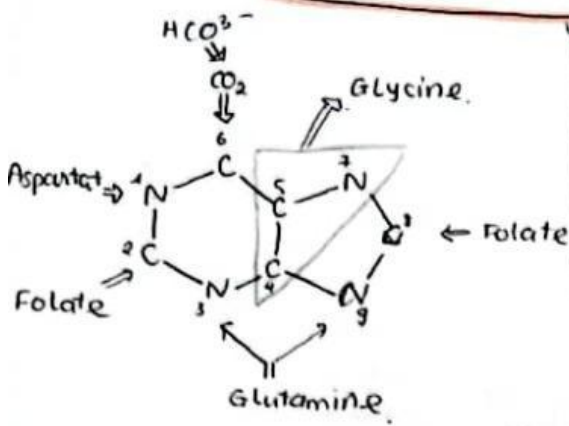


TỔNG HỢP BASE PURIN



NGUỒN GỐC

1, 3 → Glycinamid Ribotide (GAR)

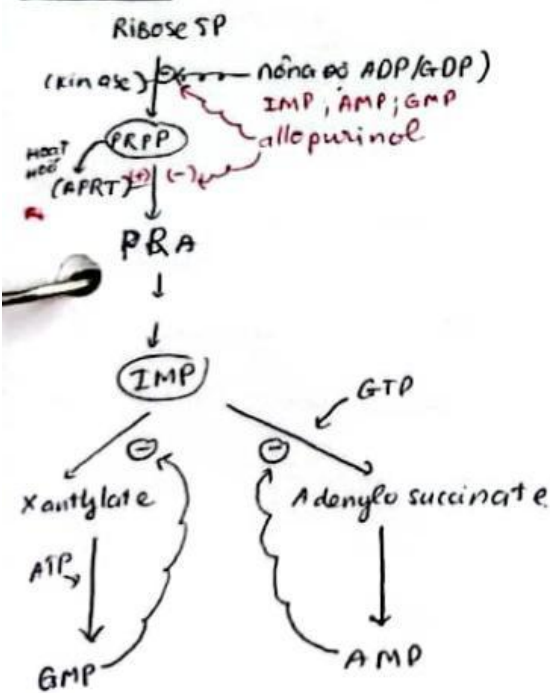
4-6 → NHÂN IMIDAZOLE (AIR)

7-9 → NHÂN PYRIMIDINE

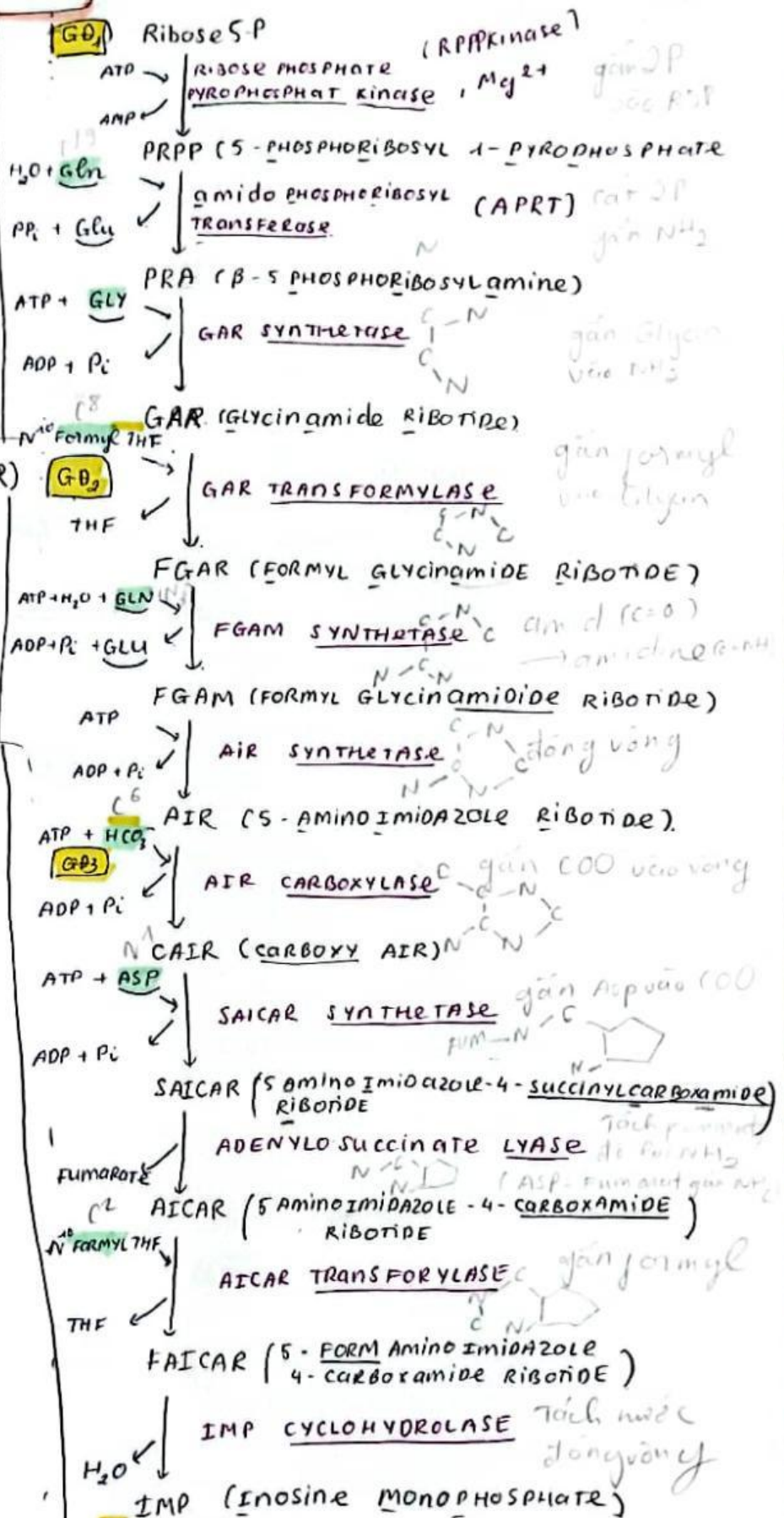
→ NHÂN IMPIDAZOT (IMP)

4GD → IMP → AMP

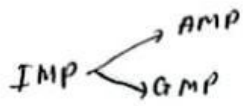
ĐIỀU HOÀ



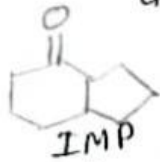
ĐIỀU HOÀ NGUỒN ẨM TÍNH



GP 4



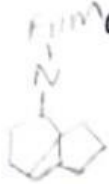
(n' lệ $\frac{\text{AMP}}{\text{GMP}}$ tạo thành = $\frac{50}{50}$).



GTP + ASP

adenylosuccinate SYNTHETASE

GDP + P_i

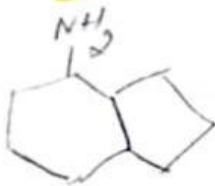


ADENYLOSuccinate

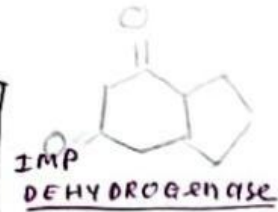
ADENYLOSuccinate LYASE

Fumarate

AMP



H_2O
 NAD^+
 $\text{NADH} + \text{H}^+$



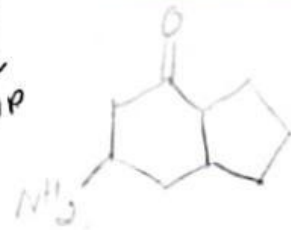
XANTHOSINE MONOPHOSPHATE (XMP)

$\text{ATP} + \text{H}_2\text{O} + \text{GLN}$

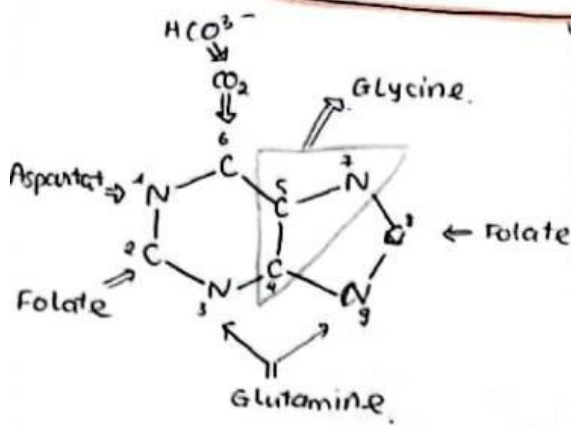
GMP SYNTHETASE

$\text{AMP} + \text{PP}_i + \text{GLU}$

GMP



TỔNG HỢP BASE PURIN



NGUỒN GỐC

1, 3 → Glycinamid Ribotide (GAR)

4-6 → NHÂN ĐẠM (AIR)

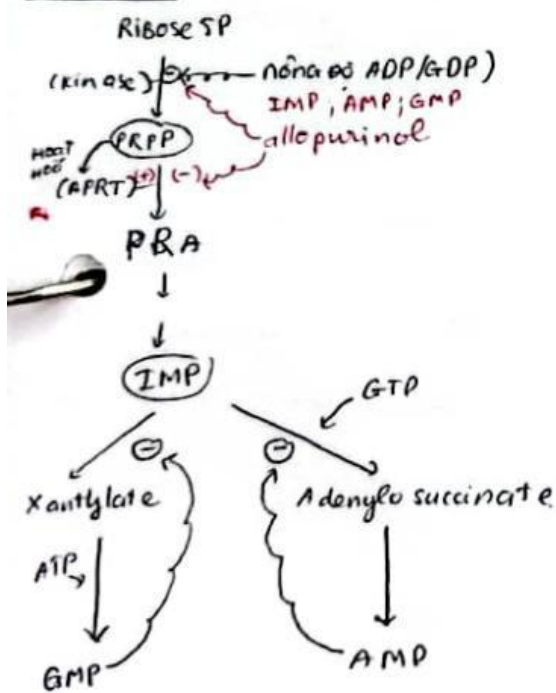
pyrimidine.

7+9 → NHÂN IMIDAZOL (IMP)

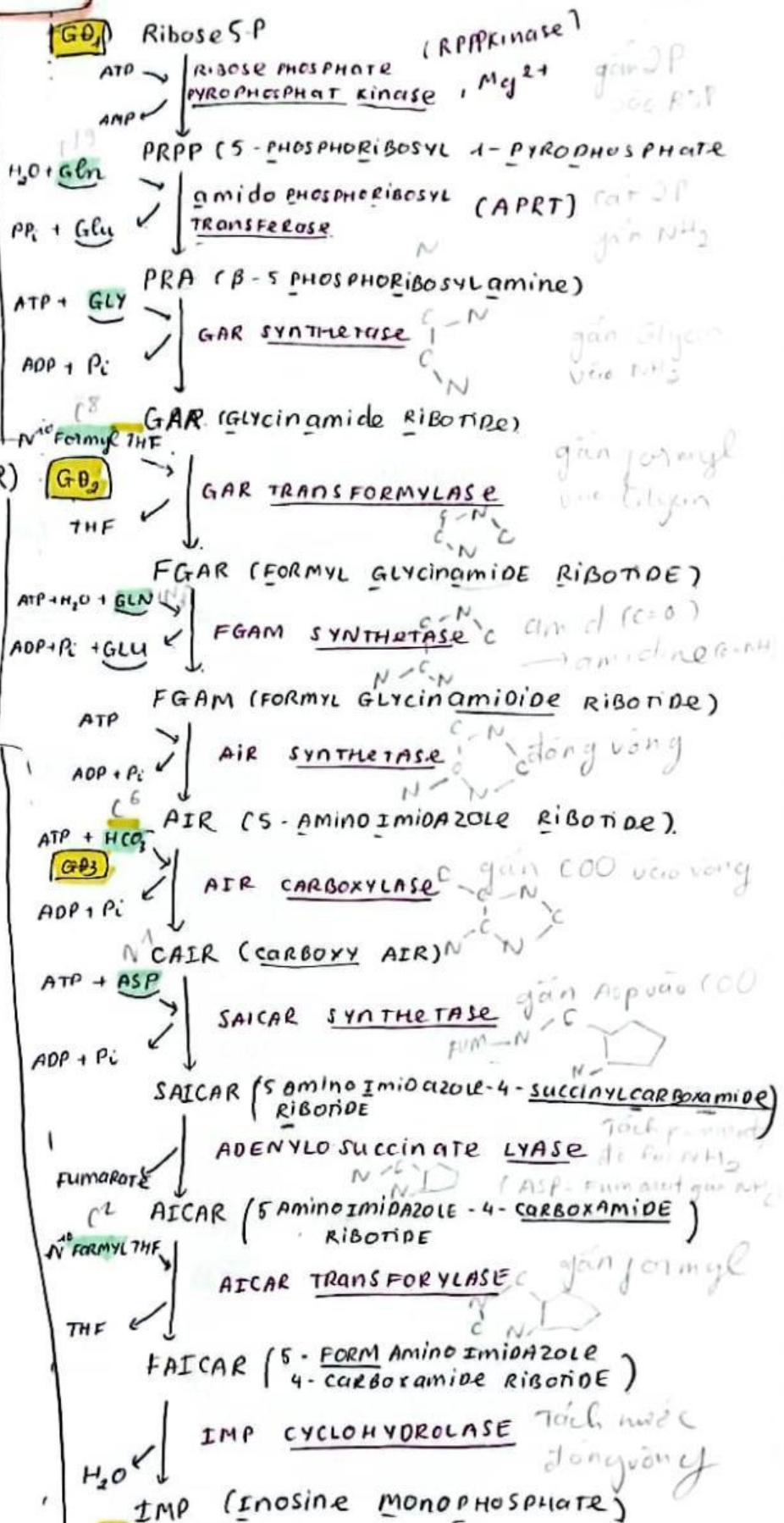
IMP → AMP

4GD

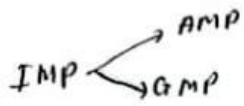
ĐIỀU HOÀ



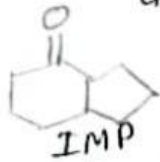
ĐIỀU HOÀ NGUỒN ẨM TÍNH.



GP 4



(n' lệ $\frac{\text{AMP}}{\text{GMP}}$ tạo thành = $\frac{50}{50}$).



GTP + ASP



adenylosuccinate
SYNTHETASE

GDP + P_i

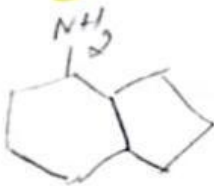


ADENYLOSuccinate

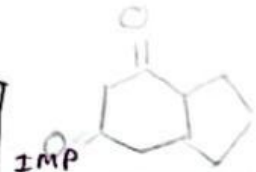
adenylosuccinate
LYASE

Fumarate

AMP



H_2O
 NAD^+
 $\rightarrow$
 $NADH + H^+$



IMP
DEHYDROGENASE

XANTHOSINE MONOPHOSPHATE (XMP)

ATP + GLN

H_2O

GMP SYNTHETASE

AMP + PP_i + GLU

GMP

