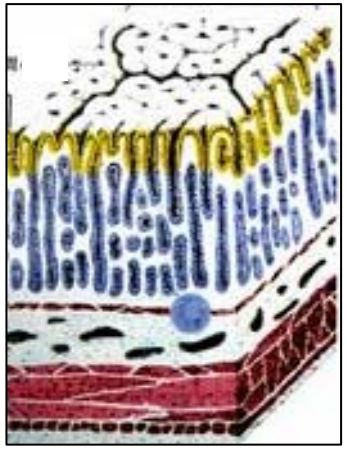
胃壁細胞的分布



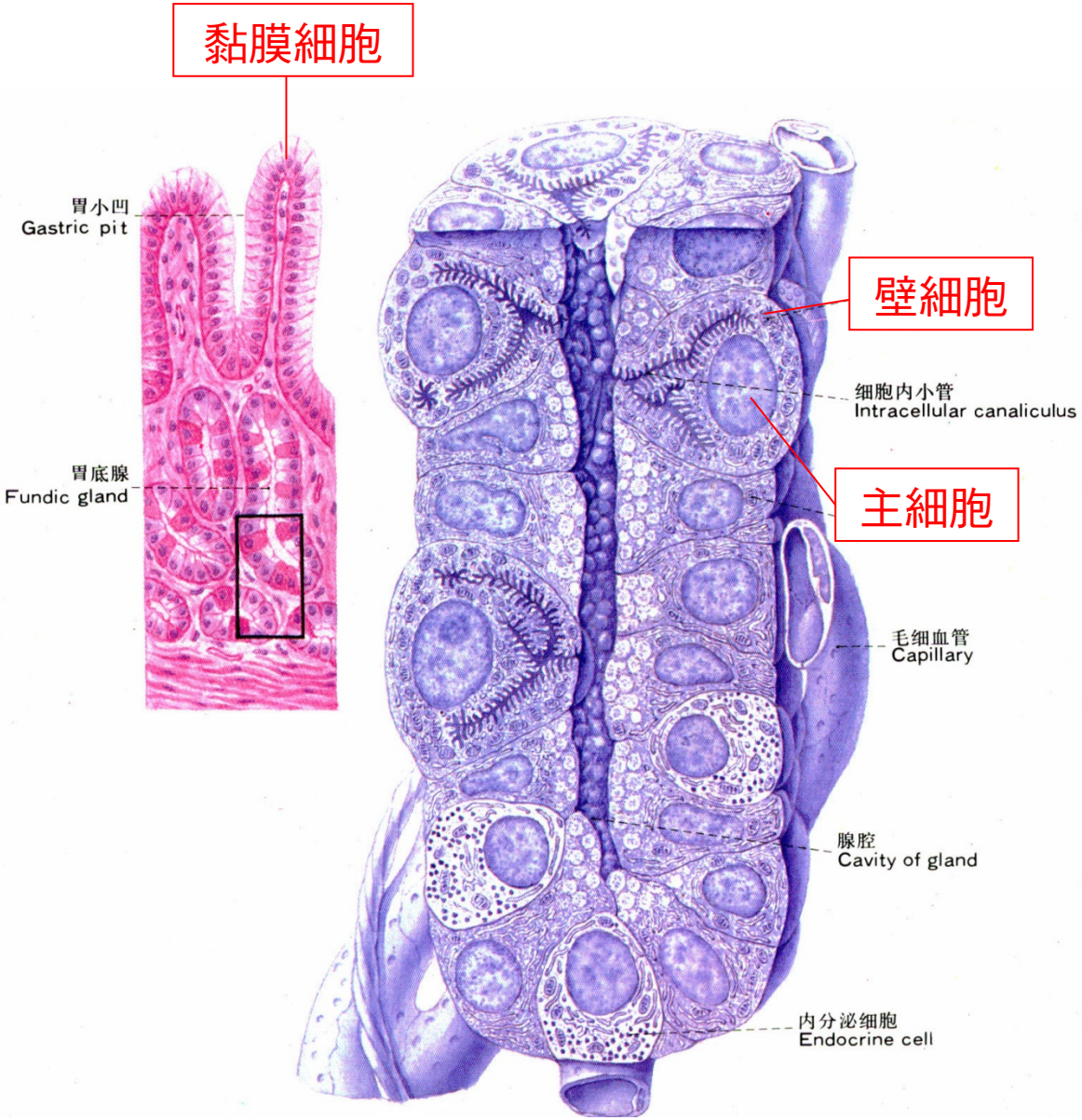
胃小凹

胃底線

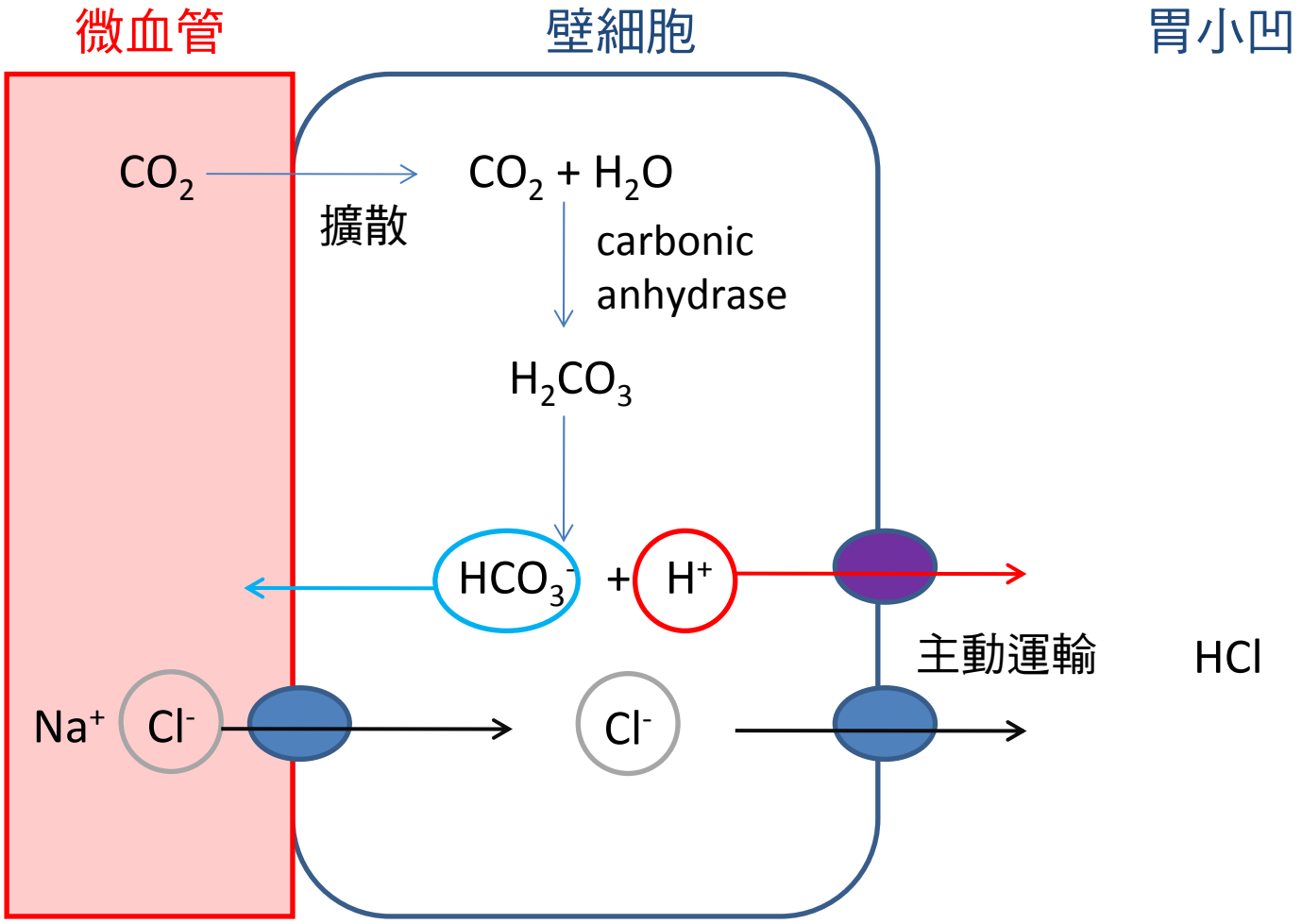
黏膜層

黏膜下層

肌肉層

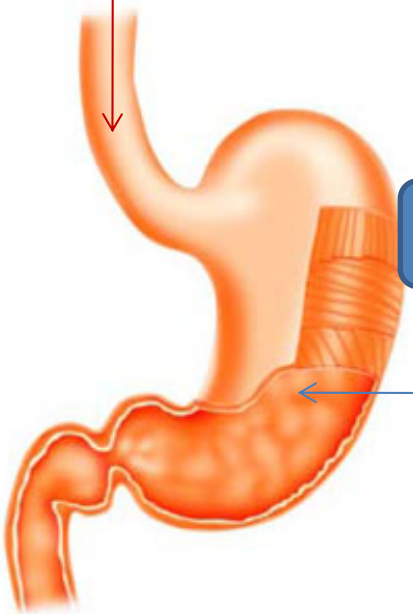


壁細胞如何製造胃酸?


微血管
壁細胞
胃小凹
CO_2
擴散
$CO_2 + H_2O$
carbonic anhydrase
H_2CO_3
HCO_3^-
+
H^+
主動運輸
HCl
Na^+
Cl^-
Cl^-

肚子餓為什麼會咕嚕咕嚕叫?

食物進入胃中 → 中樞神經系統 ← 有食慾



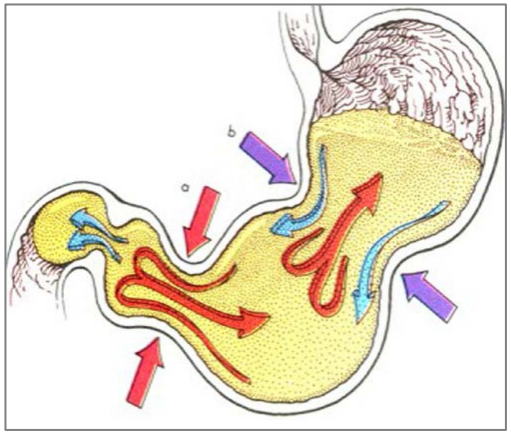
迷走神經

G 細胞

胃泌素

刺激胃的蠕動
分泌胃酸和消化酵素

胃的規律蠕動



消化液和空氣攪動
會發出聲音