

1/激素发现的过程带给你什么启示？

2/血糖的平衡是怎样维持的？

激素对内环境的稳态有什么作用？

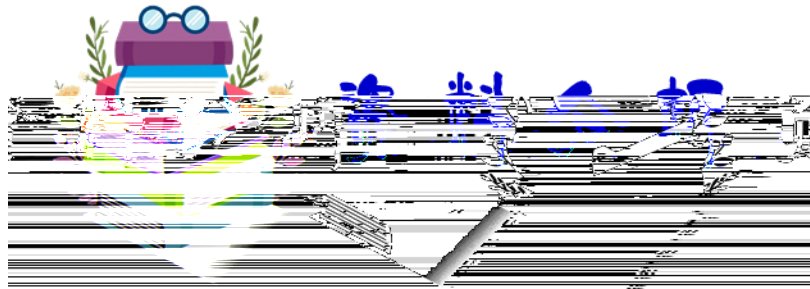
3/激素的分泌是怎样调节的？

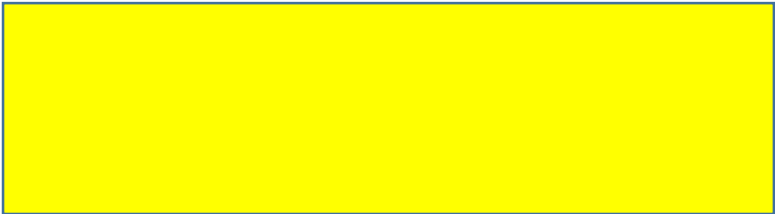
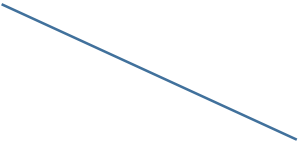
4/激素调节有什么特点？





新的发现……





1-没有神经系统参与，胰腺也可分泌胰液；

2-实验过程中神经切除不干净；



~~这是由于肠壁上残留的神经难以剔除干净的原因~~

~~所以是一个十分顽固的神经反射。~~

假设：~~其他条件不变的前提下~~

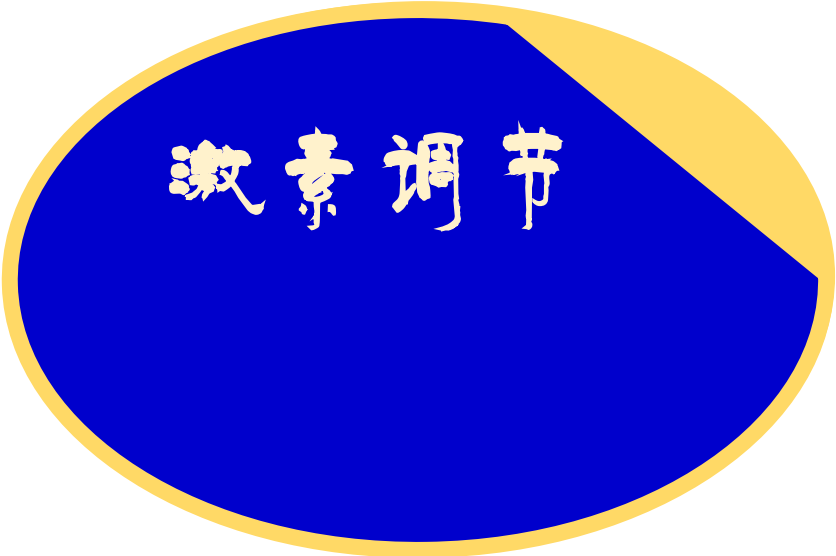
如何验证这一假设？

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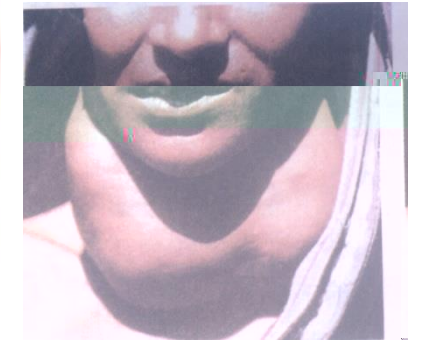


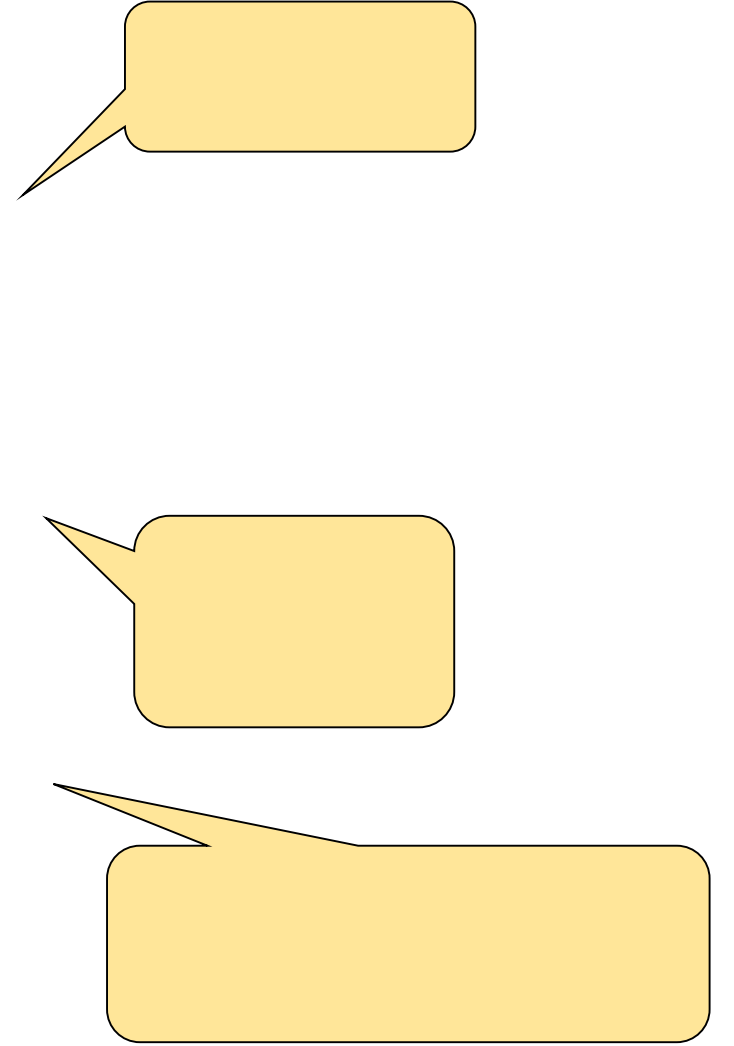
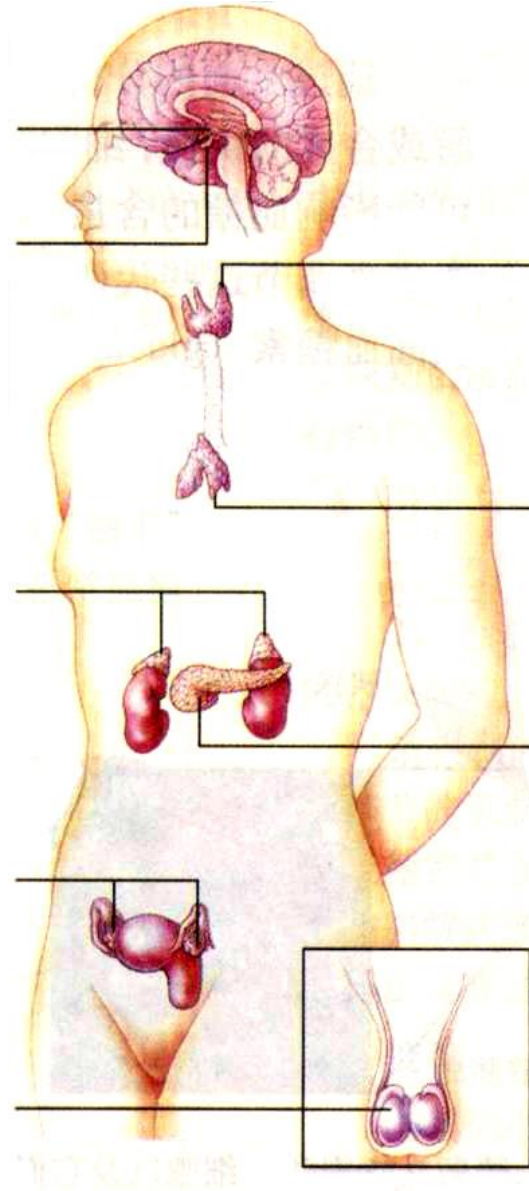
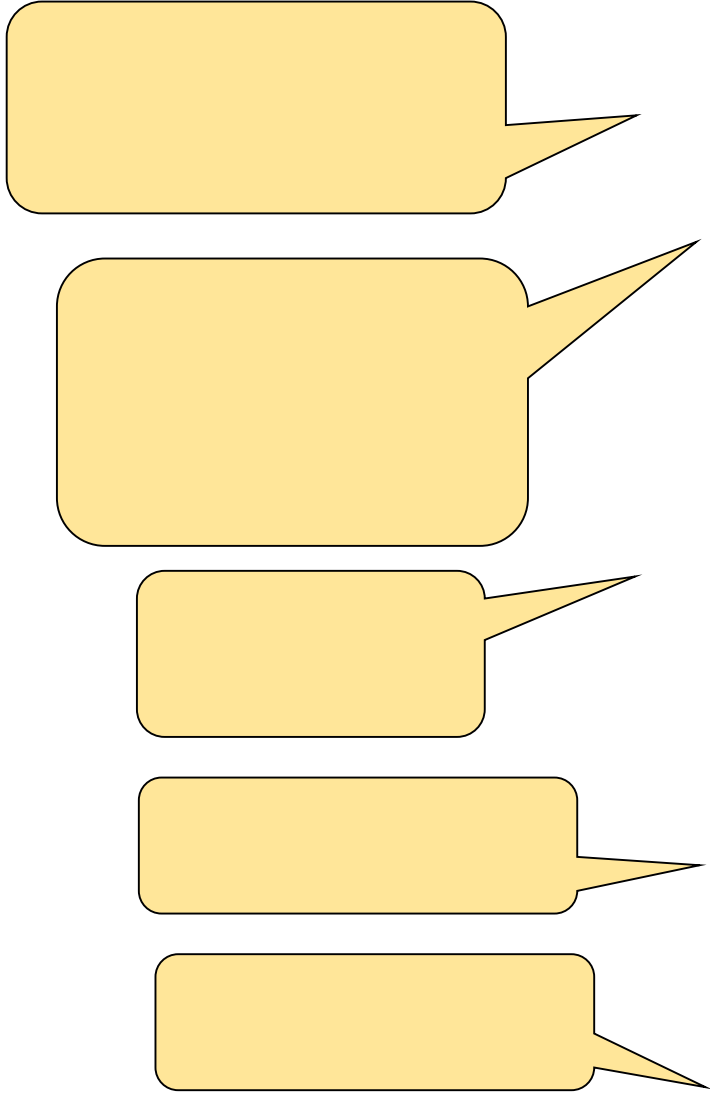
斯他林和贝里斯的实验

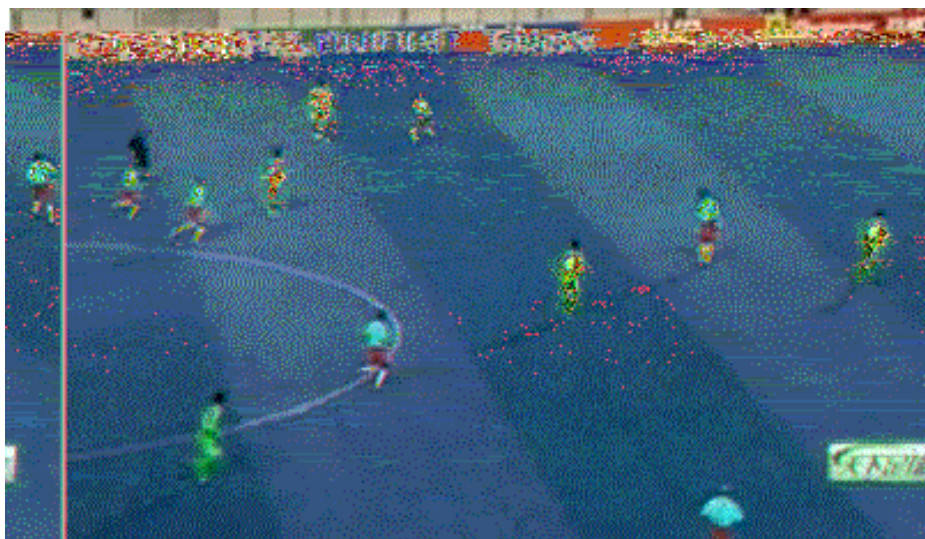




激素调节

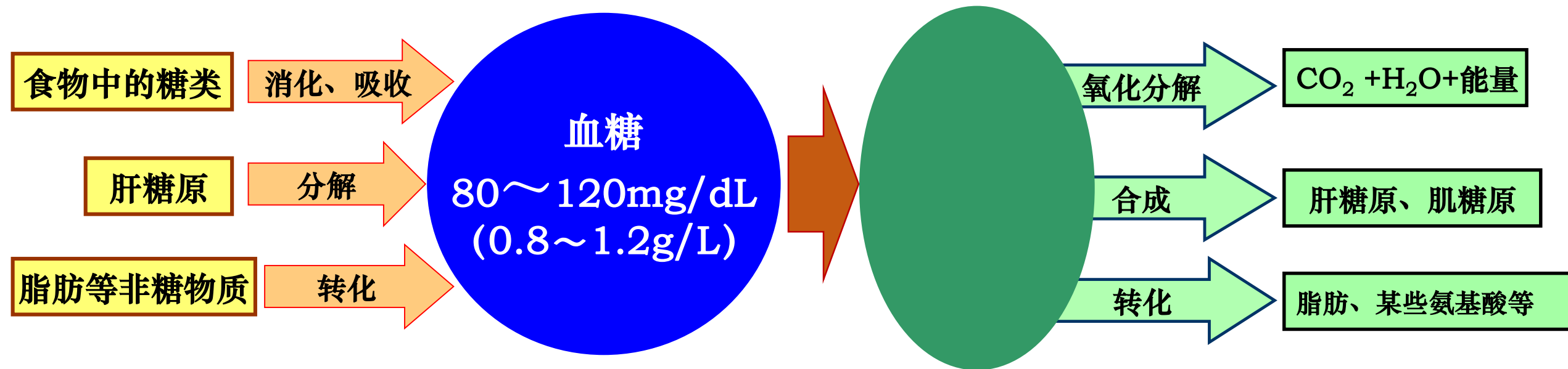






血糖

80~120mg/dL
(0.8~1.2g/L)



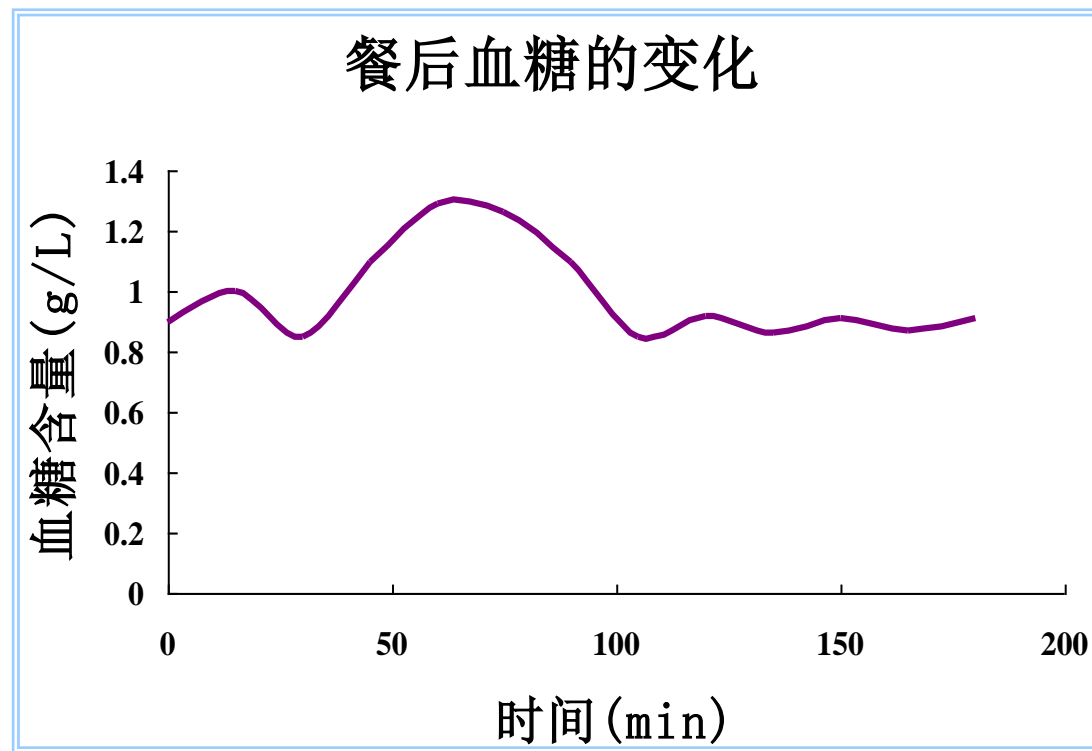


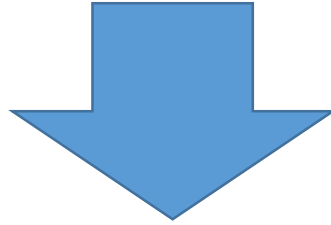
思考*讨论

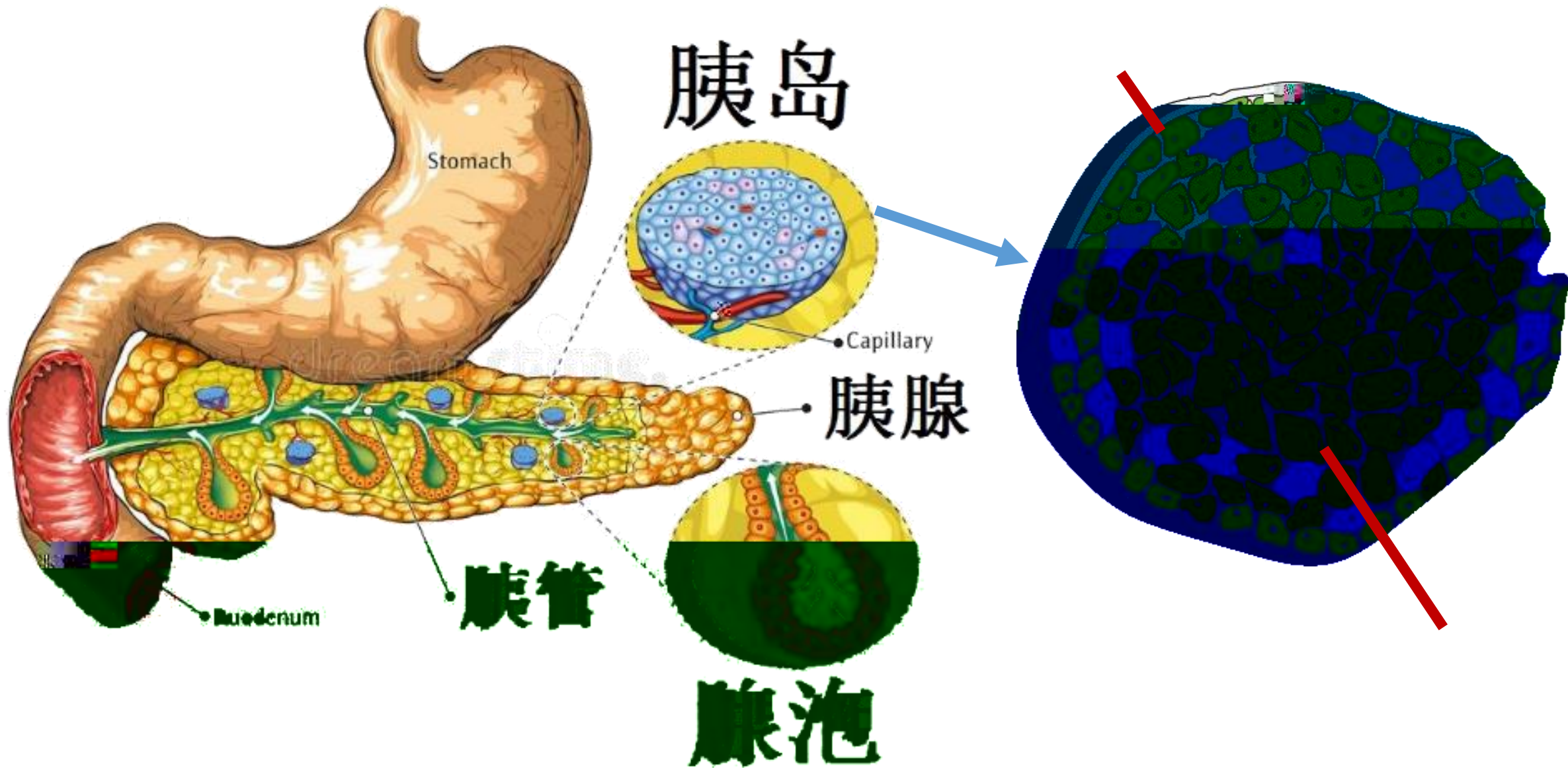


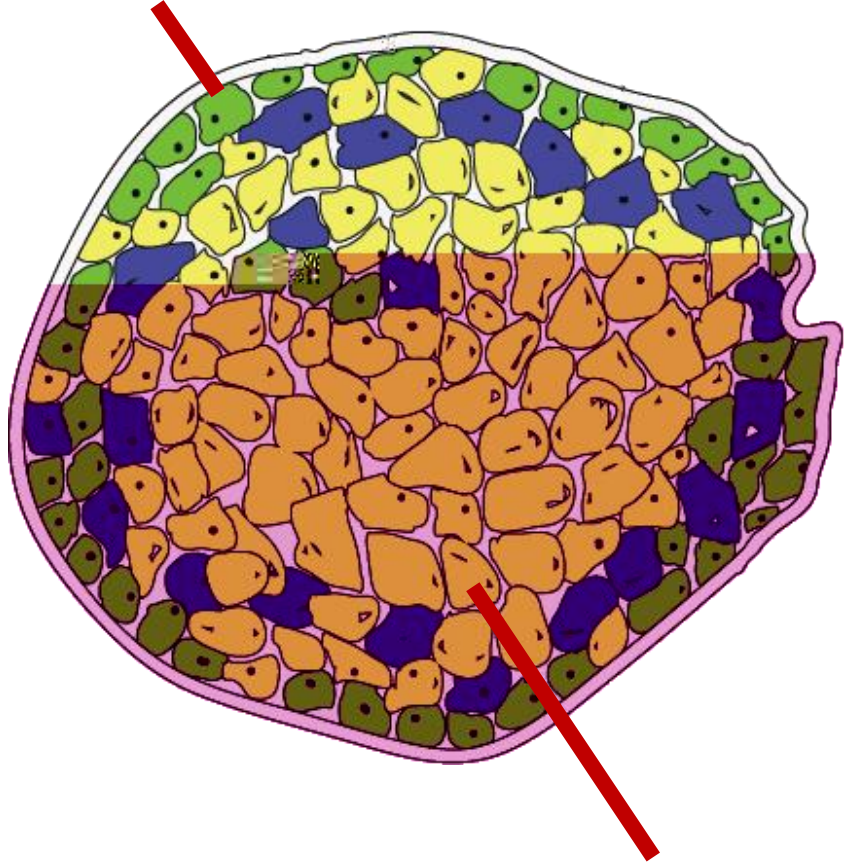


思考*讨论

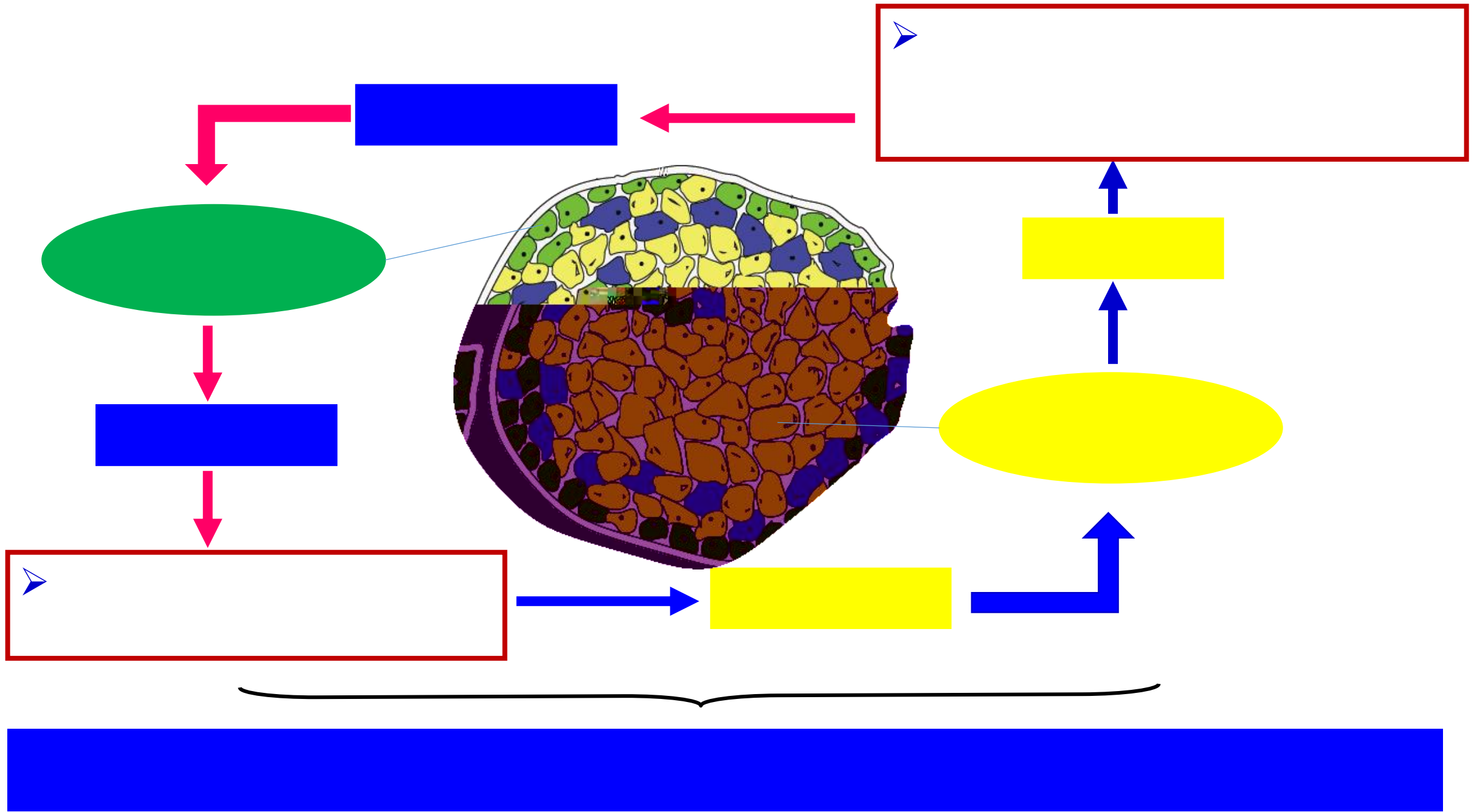


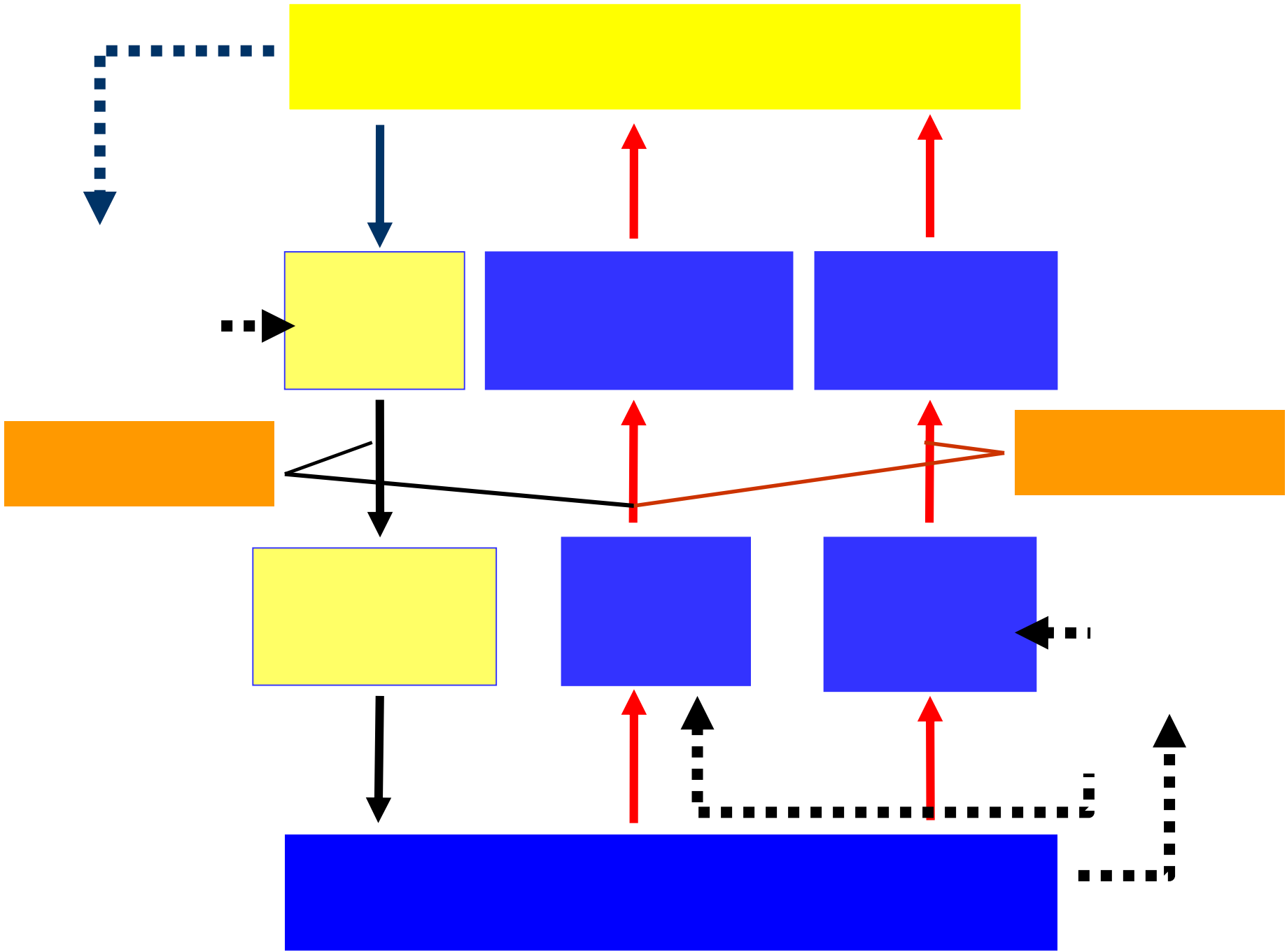




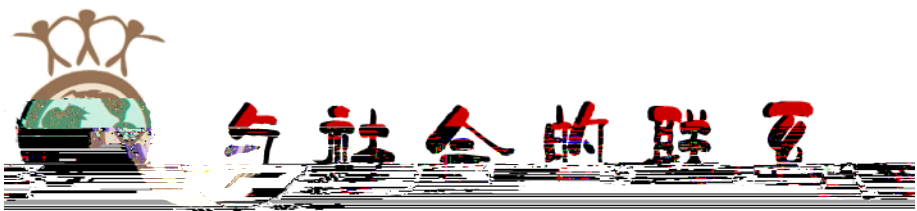


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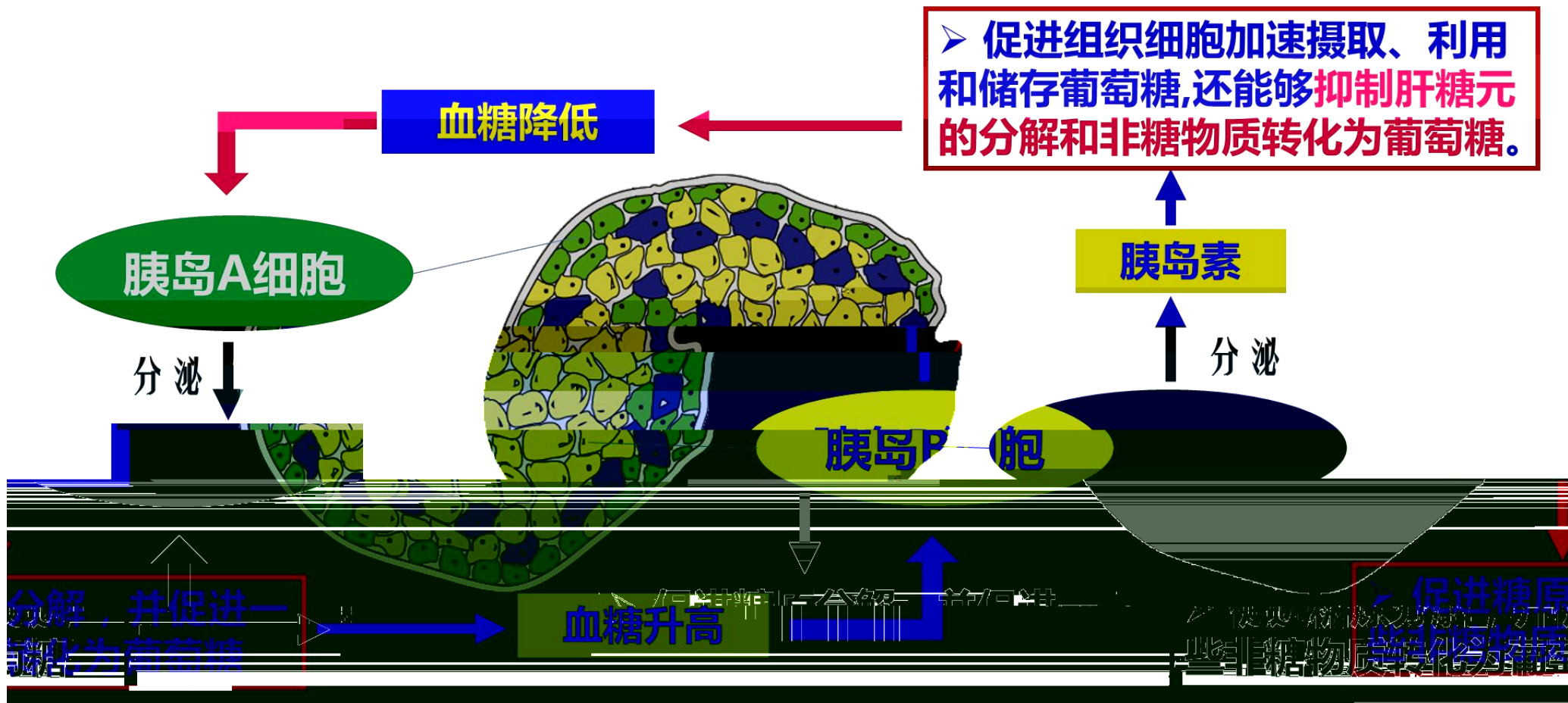


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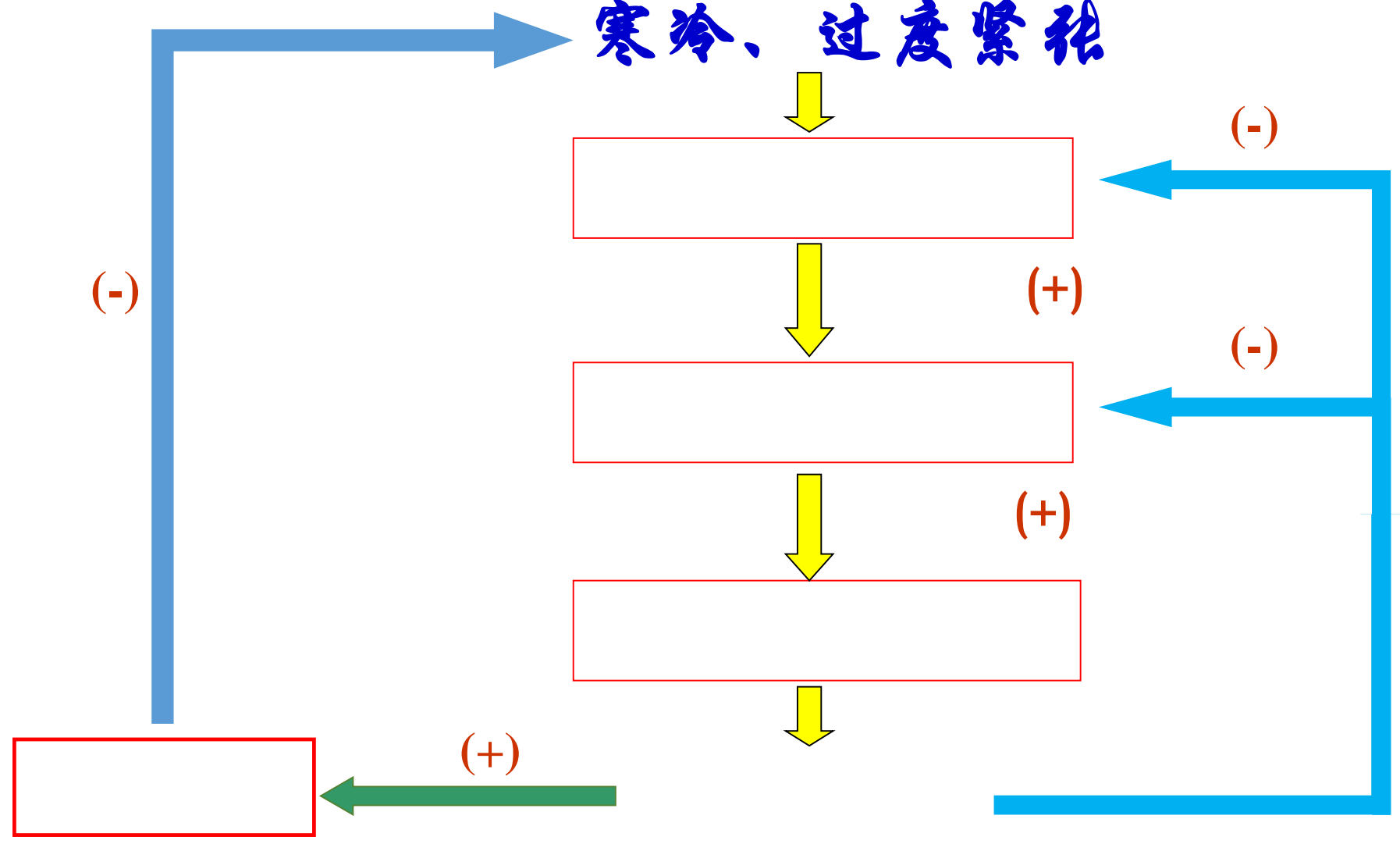




思考*讨论



寒冷、过度紧张





思考

