

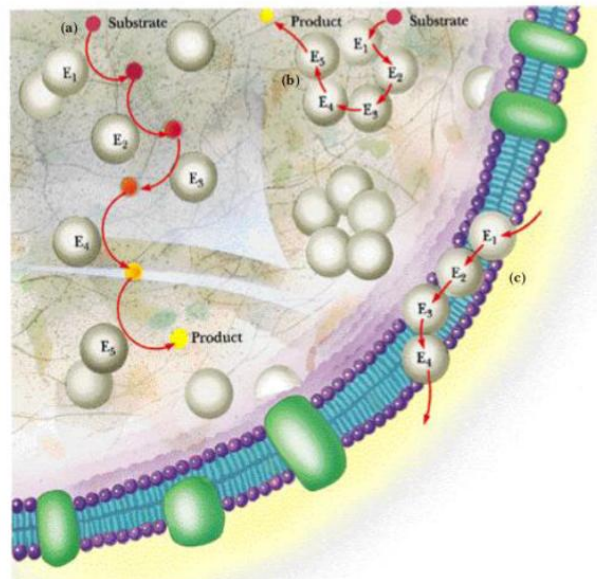
## Clinical Biochemistry II

### Quiz (2)

الرقم الجامعي:

الأسم:

- 1- In the provided figure, Label the different types of enzymes catalyzing metabolic pathway?



- 2- Differentiate between catabolism and anabolism?

3- Mention the enzyme (s) responsible for the following reactions:

- a) Succinyl CoA  $\longrightarrow$  Succinate
- b) **GTP + ADP**  $\longrightarrow$  **GDP + ATP**
- c) Starch (in mouth)  $\longrightarrow$  Maltose + oligosaccharides
- d) **Mannose + ATP**  $\longrightarrow$  **Mannose 6-phosphate**
- e) Sucrose + H<sub>2</sub>O  $\longrightarrow$  Glucose + Fructose

4- What are the three regulated steps in Glycolysis?

5- Mention the ways by which the cell forms ATP? Explain one in detail?