

Biochemistry Homework 1

Student name University #

Select an enzyme in the **primary metabolism** (e.g. glycolysis, Krebs cycle, metabolism of carbohydrates, amino acids ...etc. For the enzyme you select, collect information about this enzyme (use the internet, books, journals ...etc.) to fill the following table:

1	Enzyme name	
2	Type of organism and type of tissues	
3	Name the substrate (s)	
4	Name the product (s)	
5	Type of catalysis or name of the covalent bond break/build	
6	Physiological function in that organism	
7	E. C. Number	
8	Optimum temperature	
9	Optimum pH	
10	K_m	
11	K_{cat}	
12	Known inhibitors (name and types)	
13	General enzyme structure (primary, secondary, subunits, ...)	
14	Prosthetic groups	
15	Additional notes	
16	References	