Enzyme Notes

What Are Enzymes?
Most enzymes are Proteins
Act as Catalyst to accelerates a reaction Not permanently changed in the process

Are (mostly) specific for what they will catalyze
Are Reusable
End in –ase
- Sucrase
- Lactase
- Maltase

How do Enzymes Work?
Enzymes work by weakening bonds which lowers activation energy

What Affects Enzyme Activity?
Three factors:
1. Environmental Conditions: Temperature, pH, Ionic conditions
2. Cofactors and Coenzymes
3. Enzyme Inhibitors

What happens?
Denaturation is a process in which proteins or nucleic acids lose the native structure, by application of some external stress. (break down)

Types of Reactions:
Endothermic: requires energy (form bonds)
process that absorbs energy from the surroundings in the form of heat.
Exothermic: releases energy (break bonds)
process that releases energy from the system.