Name ……………………………………………………………………… Class: ………………………………… Date / /

Objectives: After the lesson the students should be able to:

1. **Students** know that enzymes lower the activation energy for a reaction and that their function depends on their structure.
2. **Students** distinguish between competitive and non-competitive enzyme inhibition.

# Activity 1:

Put T in front of the true statement and F in front of the false one:

1. Enzymes have no effect on activation energy of the reaction.
2. The structure of an enzyme determines what substances it acts upon.
3. Some enzymes have no effect.

# Activity 2:

What are the difference between competitive and non-competitive enzymes

# Activity 3:

***1-Complete the following table***

|  |  |  |
| --- | --- | --- |
| ***Enzyme*** | 1. *Reacts with* | 1. *Converting it to* |
| * + - 1. ***Salivary Amylase*** |  |  |
| * + - 1. ***Pancreatic Amylase*** |  |  |
| * + - 1. ***Lipase*** |  |  |
| * + - 1. ***Any other 4 enzymes from the web.*** |  |  |