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

Objectives: The students should be able to:

Explain how the structure of an enzyme leads to its substrate specificity

# Activity 1:

*A-PUT TRUE OR FALSE*

1. *Enzymes are carbohydrates ( F )*
2. *Enzymes are proteins ( T )*
3. *Enzymes are used as a catalyst to increase the speed of the reaction ( T )*
4. *Enzymes are specific in its action ( T )*
5. *Enzymes eliminate the activation energy of chemical reactions ( F )*

:B-Choose the correct answer between bracts and complete the following statements

( proteins - substrate- reduce – active site- catalyst)

1-Enzymes are a type of ………Catalyst………..which reduces the activation energy of a chemical reaction.

2-A substrate attaches to the ……………Activesite……………………..of an enzyme.

3-Enzymes are …………protiens……………..

4-Enzymes ………Reduce…………….the activation energy of chemical reaction.

**Homework due date next period**

Put true or false

1-An enzyme acts only on specific substrate ,which attach to the enzyme’s active site ( T )

2-Enzymes are carbohydrates( F )

3-Enzymes are specific in its action ( T ) توقيع ولى الأمر