

## WORKSHEET ON ENZYMES

Match the words below to the correct definitions.

SUBSTRATE

A substance that speeds up the rate of a reaction.

ENZYME

The energy needed to start a reaction

ACTIVE SITE

The molecule that the enzyme acts upon

PRODUCT

A protein that helps molecules to react with each other

CATALYST

The substance produced at the end of a chemical reaction

DENATURED

The area on the enzyme where the substrate gets attached.

ACTIVATION ENERGY

A condition when the shape of the active site is changed and the substrate can no longer fit.

Match the enzyme with the correct substrate.



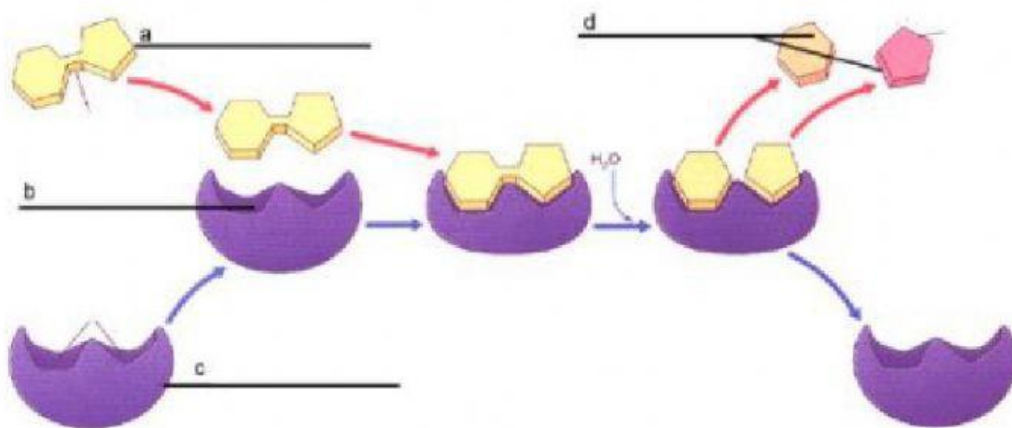
Label the diagram below.

SUBSTRATE

ACTIVE SITE

PRODUCT

ENZYME



## TRUE/FALSE

1. An enzyme can interact with different substrates.
2. Enzymes change their shape after a reaction.
3. Enzymes are affected by temperature and pH.
4. Enzymes slow down chemical reactions.
5. Enzymes are not used up after a reaction.
6. As temperature increases, the activity of an enzyme increases,