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

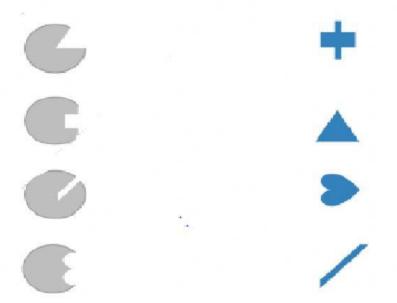
the substrate gets attached.

ACTIVATION ENERGY A condition when the shape of the

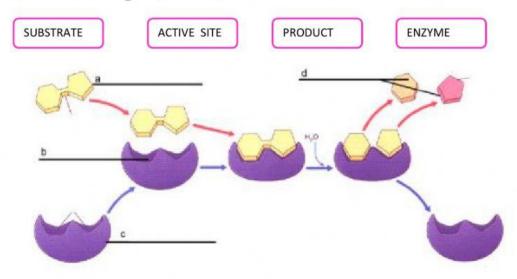
active site is changed and the

substrate can no longer fit.

Match the enzyme with the correct substrate.



Label the diagram below.



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,