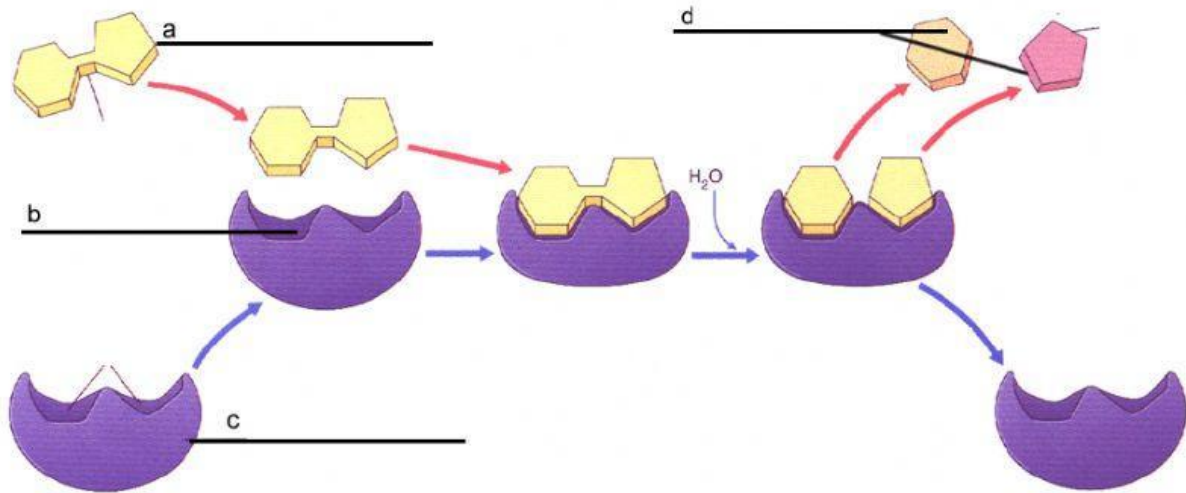


Enzyme Review

1. Label the diagram with terms from Chapter 2.



2. Answer true or false to the following statements:

- Enzymes interact with specific substrates.
- Enzymes change shape after a reaction occurs.
- Enzymes speed up reactions.
- One enzyme can be used for many different types of chemical reactions.
- Enzyme reactions can be slowed or halted using inhibitors.

3. Circle the correct effect.

- Raising the temperature slightly will [increase | decrease | not change] the rate of reaction.
- Boiling temperature will [increase | decrease | not change] the rate of most biological reactions.
- Changing the pH toward the optimal pH will [increase | decrease | not change] the rate of reaction.
- Introducing a competitive inhibitor will [increase | decrease | not change] the rate of reaction.

4. Place a check mark next to the things that are expected to INCREASE the rate of an enzymatic reaction

- Add more enzyme
- Add more substrate
- Adjust pH to optimal level
- Add a non-competitive inhibitor
- Freezing