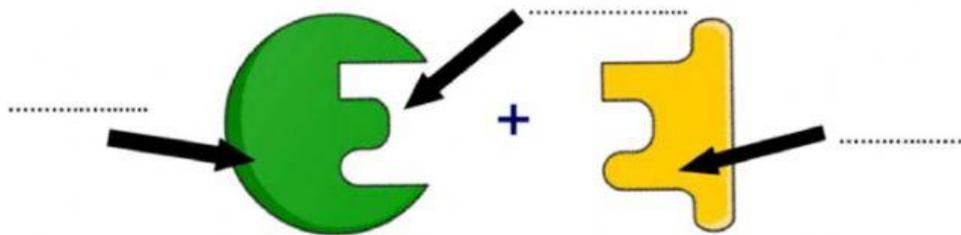


NAME: _____ DATE: _____

ENZYMES

1. Enzymes S _____ up the rate of chemical _____.
2. Enzymes are S _____ because they only work on one substrate.
3. The substrate fits into the A _____ site on the surface of the _____.
4. Enzymes can be re-used, so only S _____ amounts are needed.
5. To which group of biochemical do enzymes belong? P _____
6. Enzymes are proteins so they are made up of long chains of A _____ A _____.
7. The shape of an enzyme is very important to its F _____.
8. Label the image below with the following terms: ACTIVE SITE, REACTANT, ENZYME



9. Match the following. Each answer will only be used once.

- | | |
|------------------|--|
| ___ active site | 1. a portion of an enzyme to which a substrate can attach |
| ___ anabolism | 2. the chemical on which the enzyme acts |
| ___ catabolism | 3. the result of a chemical reaction |
| ___ catalyst | 4. a molecule that prevents an enzyme from working |
| ___ coenzyme | 5. a molecule that makes the active site of an enzyme functional |
| ___ nonsubstrate | 6. the break-down of complex molecules into simple molecules |
| ___ product | 7. a reaction making simple molecules into complex molecules |
| ___ protein | 8. a molecule that speeds up chemical reactions |
| ___ substrate | 9. all enzymes fit into this class of macromolecules |

