

Name: Date:

Enzymes Review Worksheet

This worksheet will be due at the beginning of class on the day of the test.

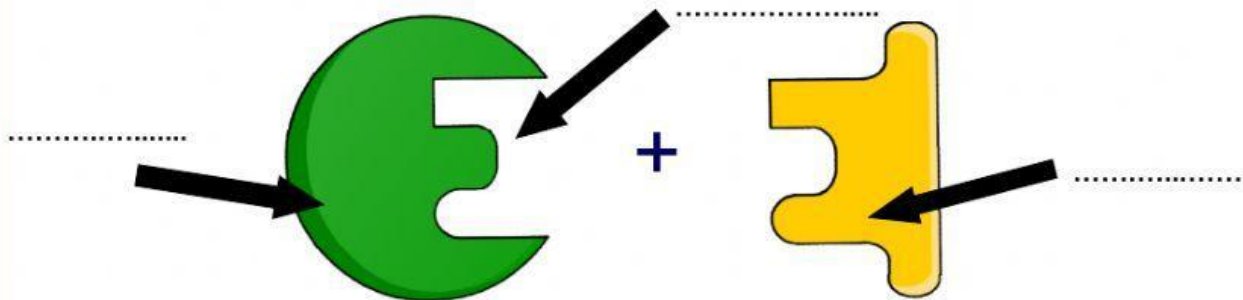


1. a) Fill in the gaps in the following sentences using the words in the box below.

- i) Enzymes are biological that speed up chemical reactions in living organisms.
- ii) Enzymes are protein molecules, which are made up of long chains of
- iii) The sequence and type of amino acids are in each protein, so they produce enzymes with many different shapes and functions.
- iv) The shape of an enzyme is very important to its

different	catalysts	function	the same	amino acids
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b) Label the image below with the following terms: active site, substrate, enzyme.



1. a) Enzymes and their substrates are often compared to a lock and key. This is called the Lock and Key Model. Label the lock and key in the image above.

2. b) Explain what would happen if a substrate molecule with a different shape to the enzyme came into contact with the enzyme's active site.

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