

Enzymes Worksheet

Name: _____ Date: _____

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 a 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 its _____

2. What is an enzyme? Describe it in your own words

3. What is a substrate?

4. Is there an optimum pH for enzymes in the human body? Explain why or why not

5. Is there an optimum temperature for enzymes in the human body? Explain why or why not

6. Are enzymes permanently changed in the chemical reactions they are involved in? Explain why or why not
