**Enzymes**

1. **What is an enzyme?**

1. **What are enzymes made of?**

1. **Describe why enzymes have different shapes and why this is important to their function. (3)**

1. **Describe the lock and key hypothesis of enzyme activity (4)**

1. **Why do enzymes speed up reactions?  (2)**

1. **List 6 factors that affect enzymes**

1. **Describe the effect of 3 factors on enzyme activity. Make sure to include what changing the factor does to the enzyme (6)**

1. **Add a definition for each key term.**

|  |  |
| --- | --- |
| **Key word** | **Definition** |
| Active site |  |
| Converting |  |
| Building up |  |
| Breaking up |  |
| Enzyme |  |
| Key |  |
| Lock |  |
| Optimum |  |
| Substrate |  |
| Temperature |  |