

Enzyme Questions

1) Define:
Enzyme

Catalyst

Substrate

Active site

2) What do enzyme names usually end in? What about the prefix?

3) What is meant by the term *globular protein*?

4) What are some different types of enzymes and what are the functions of these types?

- 5) Why can't respiration occur without enzymes? (Respiration = oxidation of glucose)
- 6) Give **FOUR** examples of enzymes and what they do
- 7) What does a lock and key have to do with this?
- 8) Draw a "comic strip" of an enzymatic reaction.
- The reaction can be anabolic (putting smaller molecules together to make a larger molecule) or catabolic (breaking down a substrate)
 - Your strip should have at least three panels: a before the reaction, during the reaction and after the reaction.
 - Your comic strip should include and label the following: The enzyme, substrate, active site and show how the substrate changes but the enzyme stays the same (or returns to its normal shape after the reaction)