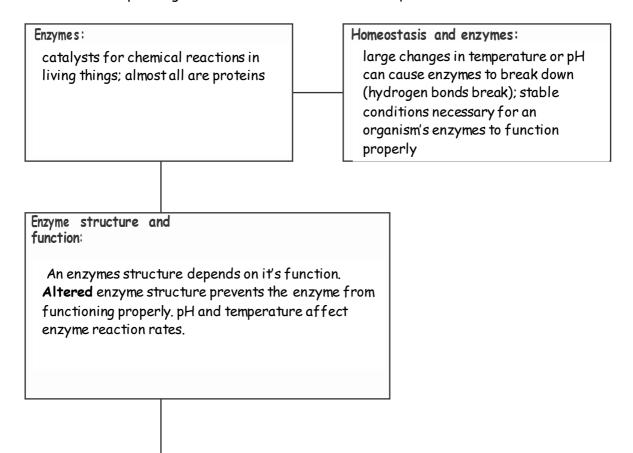
2.5 Power Notes

A Catalyst:

- 1. decreases activation energy and increases reaction rate
- 2. is not used up during a reaction and does not alter the equilibrium of the reaction



Substrates and Lock-and-Key Model of Enzyme Function

Substrates:

reactants acted upon by an enzyme; bind to an enzyme's active sites

Lock-and-key model:

only particular substrates will bind to particular enzymes; when bound, enzymes weaken bonds within substrates and allow reactions to occur

