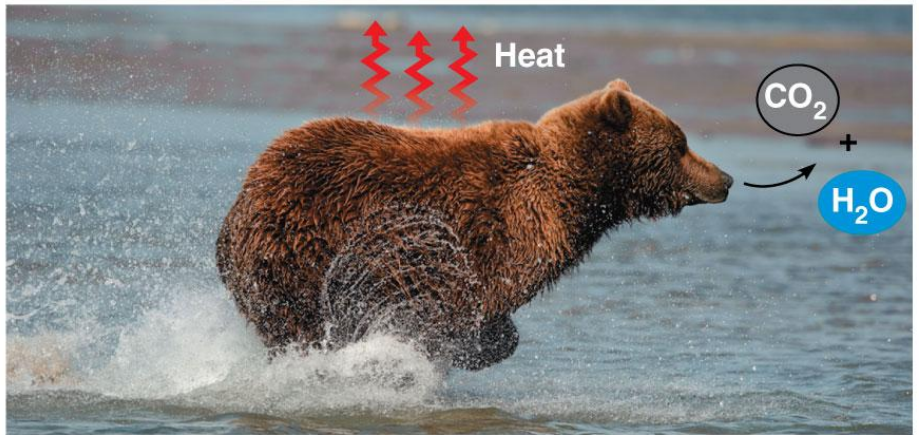


Ch. 8 Metabolism, handout

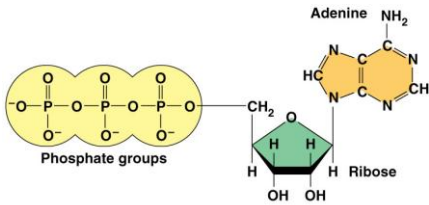


(a) First law of thermodynamics

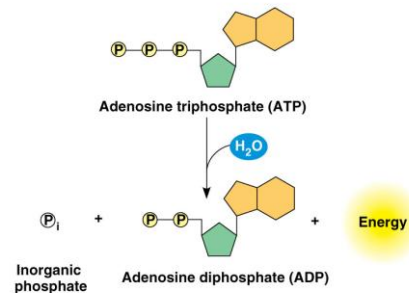
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(b) Second law of thermodynamics

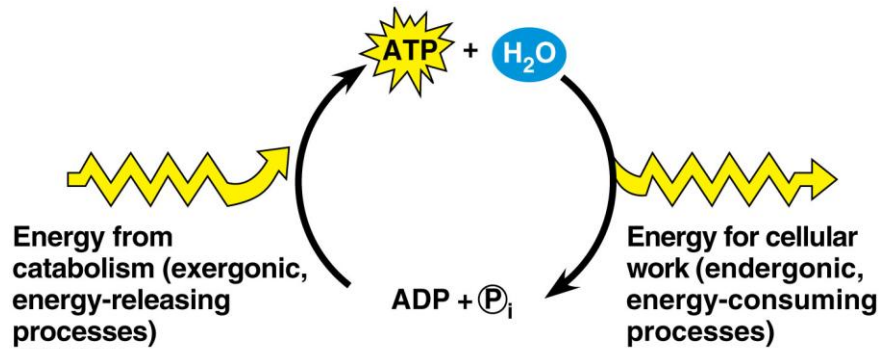


(a) The structure of ATP

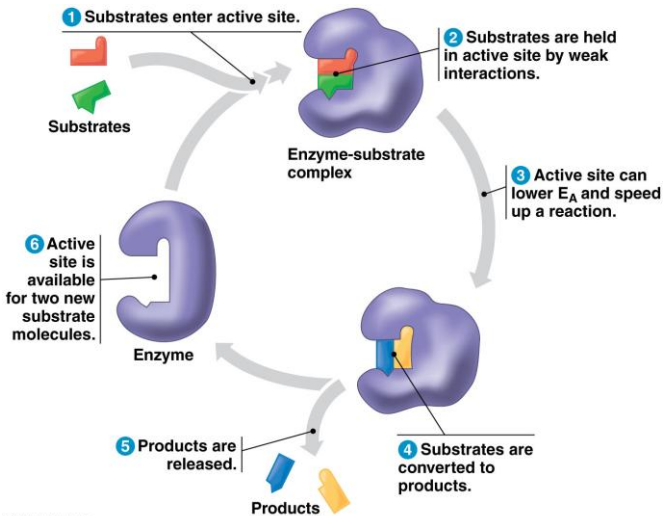


(b) The hydrolysis of ATP

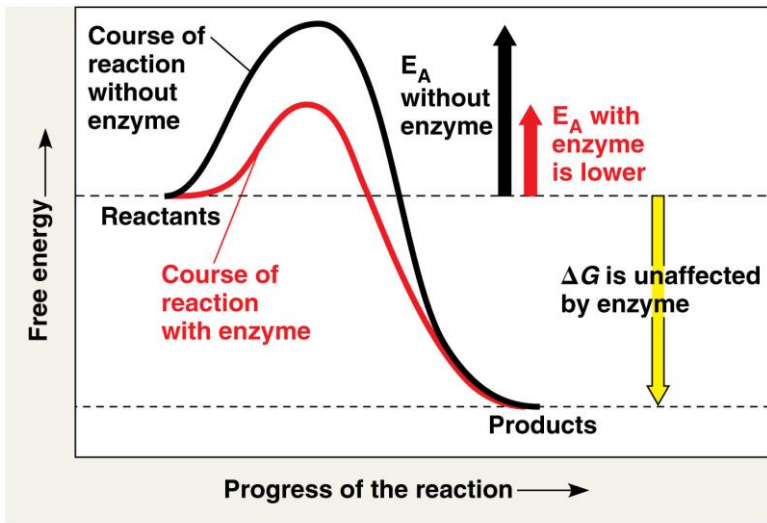
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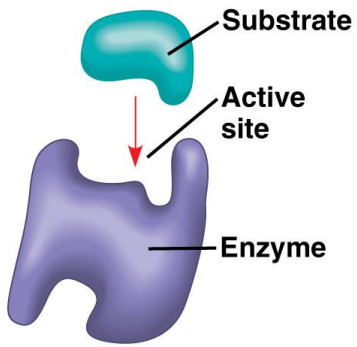
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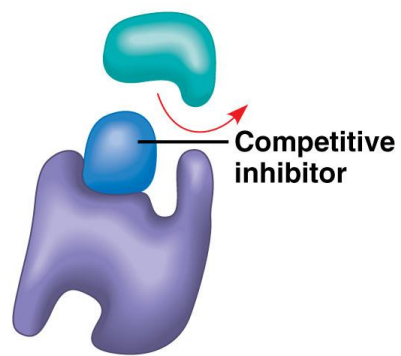
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(a) Normal binding



(b) Competitive inhibition



(c) Noncompetitive inhibition

