

Characters Of Enzymes

- ✓ Catalysts for biological reactions
- ✓ All are globular proteins
- ✓ Lower the activation energy
- ✓ Accelerate the rate of reaction
- ✓ Activity lost if denatured
- ✓ Very specific in action
- ✓ May contain cofactors such as metal ions or organic (vitamins)



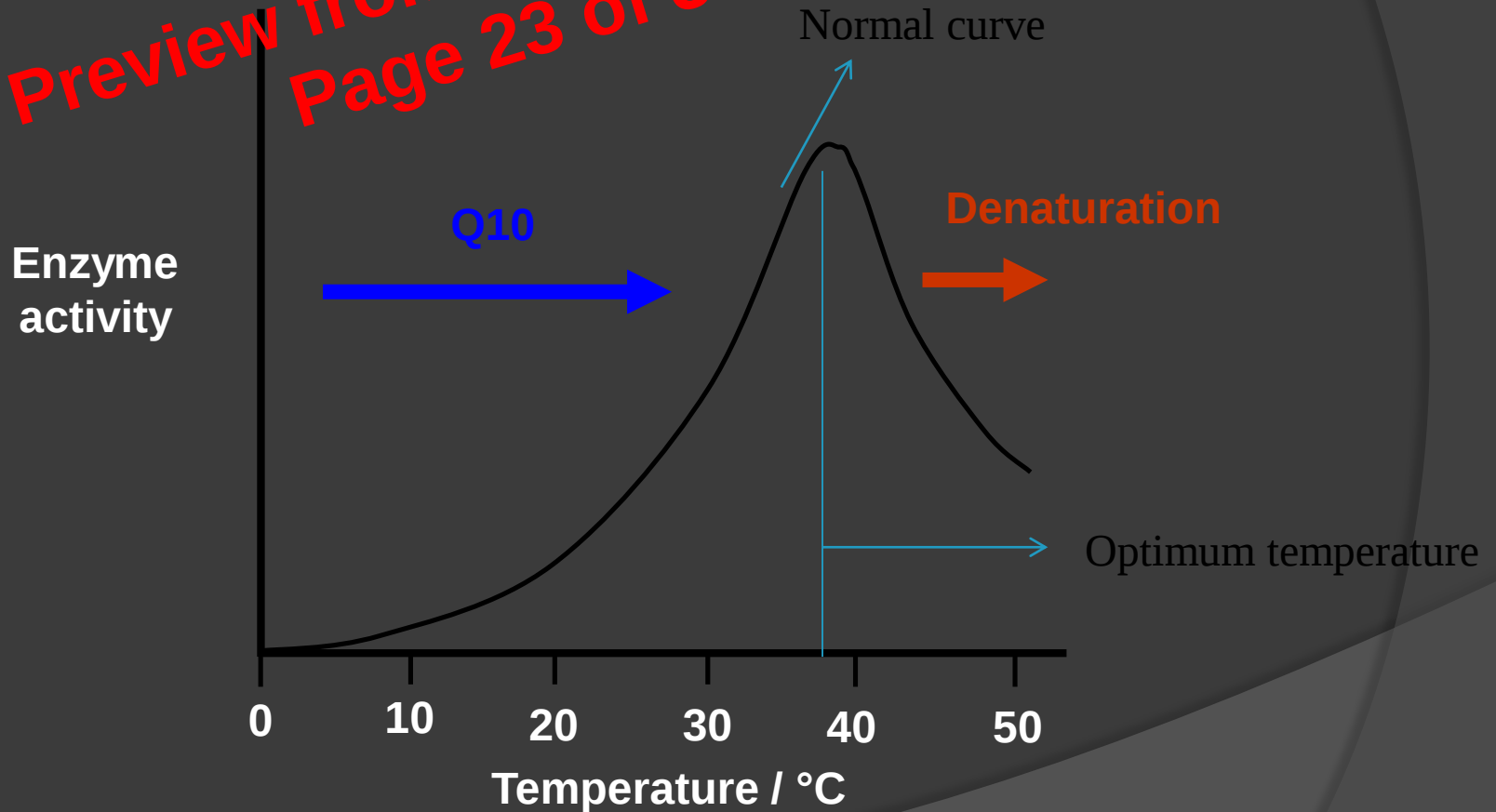
Lock and Key Model

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The effect of temperature

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(a) Normal binding



(b) Competitive inhibition



(c) Noncompetitive inhibition



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