

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Chemistry and Biochemistry - NOC:Introduction to Chemical Thermodynamics and Kinetics

Subject Co-ordinator - Prof.Arijit Kumar De

Co-ordinating Institute - IIT - Madras

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction to Chemical Thermodynamics and Kinetics

Lecture 2 - Properties of gases - Part 1

Lecture 3 - Properties of gases - Part 2

Lecture 4 - Introduction - Part 1

Lecture 5 - Introduction - Part 2

Lecture 6 - First law - Part 1

Lecture 7 - First law - Part 2

Lecture 8 - First law - Part 3

Lecture 9 - First law - Part 4

Lecture 10 - First law - Part 5

Lecture 11 - Second law - Part 1

Lecture 12 - Second law - Part 2

Lecture 13 - Spontaneity and equilibrium - Part 1

Lecture 14 - Spontaneity and equilibrium - Part 2

Lecture 15 - Spontaneity and equilibrium - Part 3

Lecture 16 - Phase equilibrium - Part 1

Lecture 17 - Phase equilibrium - Part 2

Lecture 18 - Phase equilibrium - Part 3

Lecture 19 - Phase equilibrium - Part 4

Lecture 20 - Phase equilibrium - Part 5

Lecture 21 - Phase equilibrium - Part 6

Lecture 22 - Phase equilibrium - Part 7

Lecture 23 - Mixtures - Part 1

Lecture 24 - Mixtures - Part 2

Lecture 25 - Mixtures - Part 3

Lecture 26 - Mixtures - Part 4

Lecture 27 - Mixtures - Part 5

Lecture 28 - Chemical Equilibrium - Part 1

Lecture 29 - Chemical Equilibrium - Part 2

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- Lecture 30 - Chemical Equilibrium - Part 3
- Lecture 31 - Chemical Equilibrium - Part 4
- Lecture 32 - Chemical Equilibrium - Part 5
- Lecture 33 - Chemical equilibrium - Part 2B
- Lecture 34 - Chemical equilibrium - Part 2C
- Lecture 35 - Electrochemistry - Part 1
- Lecture 36 - Electrochemistry - Part 2
- Lecture 37 - Electrochemistry - Part 3
- Lecture 38 - Surfaces and interfaces
- Lecture 39 - Chemical Kinetics: Rate laws - Part 1
- Lecture 40 - Chemical Kinetics: Rate laws - Part 2
- Lecture 41 - Chemical Kinetics: Rate laws - Part 3
- Lecture 42 - Chemical Kinetics: Rate laws - Part 4
- Lecture 43 - Chemical Kinetics: Mechanisms - Part 1
- Lecture 44 - Chemical Kinetics: Mechanisms - Part 2
- Lecture 45 - Chemical Kinetics: Mechanisms - Part 3
- Lecture 46 - Chemical Kinetics: Mechanisms - Part 4
- Lecture 47 - Chemical Kinetics: Mechanisms - Part 5
- Lecture 48 - Chemical Kinetics: Mechanisms - Part 6
- Lecture 49 - Reaction dynamics - Part 1
- Lecture 50 - Reaction dynamics - Part 2
- Lecture 51 - Reaction dynamics - Part 3
- Lecture 52 - Reaction dynamics - Part 4
- Lecture 53 - Reaction dynamics - Part 5
- Lecture 54 - Reaction dynamics - Part 6
- Lecture 55 - Reaction dynamics - Part 7